

# PARAMETERS LISTING SYSTEM (PALIS)

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# PARAMETERS LISTING SYSTEM

(PALIS)

Report prepared by:

Drinking Water Section Water Resources Branch Ontario Ministry of the Environment

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#### HANDBOOK FOR THE PARAMETERS LISTING SYSTEM (PALIS)

#### INTRODUCTION

The parameters listing system (PALIS) consists of a Handbook and a listing of parameters, along with their corresponding guidelines, which can be applied to drinking water (PALIS SYSTEM PARAMETER REPORT). Guidelines from a number of different organizations and/or agencies have been provided, where they are available.

The handbook has been compiled to:-

- a) explain the formatting and nomenclature used in the listings
- b) provide guidance in the use of the system and define some precautions which are necessary.

The guidelines (or objectives or standards) from additional agencies may be added in the future as appropriate, and it is the intention to update this listing as expeditiously as possible when new information is available.

Users may wish to employ this document in conjunction with the Parameter Reference File of the Drinking Water Surveillance Program. The Parameter Reference File is a catalogue of properties, uses and treatment alternatives for chemicals associated with drinking water.

In addition, Appendix 1 provides background information on the procedures used in setting limits for substances in drinking water; this information is useful in understanding levels of risk and also explains why limits for a given substance may differ from agency to agency. Appendix 2 provides some specific information on the mechanism for the development of Ontario Drinking Water Objectives.

#### THE PARAMETERS LISTING SYSTEM

The Parameters Listing System (PALIS) is a catalogue of known guidelines applicable to drinking water. Each chemical is listed with the regulating agency, type of water, guideline values, type and status and reference material from which the guidelines were extracted. Guidelines may be health related or pertain to the aesthetic quality of drinking water.

A guideline value represents the level (a concentration or a number) of a constituent that ensures an aesthetically pleasing water and does not result in any significant risk to the health of the consumer over a lifetime. The guideline values describe a quality of water that is acceptable for lifelong consumption; therefore short term deviations above the guideline values do not necessarily mean that the water is unsuitable for consumption. The amount and duration that any guideline value can be exceeded without affecting public health depends on the specific substance involved.

#### GENERAL INFORMATION

The user of the system should be familiar with the information provided in the "Guide to the Use of PALIS", to ensure that the guidelines are used with an understanding of their correct application.

When an Ontario Drinking Water Objective (ODWO) is exceeded, the steps outlined in the "Ontario Drinking Water Objectives" (ISBN 0-7743-8985-0) published in 1984 will be taken.

When another agency's guideline value is exceeded, this should be a signal (i) to investigate the cause, with a possible view to taking remedial action; (ii) to consult the surveillance and public health agencies for advice on suitable action. Recommendations would be made taking into account the intake of the substance from sources other than drinking water (for chemical constituents), the likelihood of adverse effects and the practicability of remedial measures.

When using the PALIS information system it is important that reference be made to the information provided so that the limitations of each limit are recognized and applied in the correct circumstances with the right qualifications.

In the absence of Ontario Drinking Water Objectives and/or Canadian Drinking Water Objectives the most appropriate limits for use would be those developed specifically for drinking water from the United States Environmental Proection Agency (EPA) and the World Health Organization (WHO).

In the case of an emergency spill situation when the duration of the exposure is expected to be short term it is probable that the EPA health advisories are most appropriate; this is what they are designed for. The term "ambient" tends to have a slightly different meaning dependant upon the agency. If "ambient" limits are to be used, reference should be made to the actual definition of the limits and their application given under the "LIMIT" section beginning on page ix.

Where it is possible to do so, the risk levels associated with the limits should be stated, and these may vary from agency to agency.

Some of the limits listed are legally enforceable by the controlling agency; where information on enforceability was available, it is provided under the "LIMITS" section.

The limits established by the agencies have been derived from the best information currently available; however, the development of objectives is an on-going process. Scientific knowledge of the complex interrelationships that determine water quality continue to increase as does the understanding of the physiological effects of the substances present in water. Also, man continues to introduce new chemical substances into the environment which may contaminate water supplies. It will therefore be necessary to continually revise the established limits as new and more significant data becomes available.

#### GUIDE TO THE USE OF PALIS

The following headings are used in the system:

#### CHEMICAL

Because of the manner by which computers sort, chemicals prefixed with a number eg. 2,4,5-T are sorted by number first and then alphabetically. This will apply to those chemicals identified in normal usage by this nomenclature. To facilitate location of chemicals existing as isomers, chemical isomers will be listed by the name of the chemical followed by the numbers denoting the isomer eg. dinitrotoluene(2,4). The Chemical Abstracts Service Registry Numbers (CAS#) are listed with every chemical where available. These are unique numerical identifiers assigned to each chemical substance as it is registered. It has no chemical significance but is simply a machine-checkable number. The CAS# is a concise and unique means of substance identification which is independent of the many systems of chemical nomenclature.

The chemicals are normally cited by the name under which they were listed in the original reference document. If a chemical name can not be found in the parameter report it may be listed under an "alias". At the end of the parameter report is an alias report that lists the "fullname" of the chemical on the parameter list along with aliases (other names) by which the chemical may be known.

#### AGENCY

#### 1. MOE

The Ontario Ministry of the Environment.

Ontario Drinking Water Objectives (ODWO) are published by the Ministry of the Environment (MOE) and generally are based on the Canadian Drinking Water Guidelines. Interim guidelines may also be proposed from time to time (see also Appendix 2).

#### 2. FLORIDA ST.

The State of Florida, USA.

This state issued the "State of Florida Drinking Water Regulations, Public Drinking Water Systems, DER 1984".

#### 3. CALIFORNIA ST. DHS

The State of California, USA, Department of Health Services.

This state agency published recommended Action Levels for substances in drinking water.

#### 4. WHO

The World Health Organization.

The organization published "Guidelines for Drinking Water Quality, Geneva 1984". The WHO suggests guideline values and tentative guideline values.

#### 5. H&W

Health and Welfare, Canada.

Guidelines for Canadian Drinking Water Quality are prepared by the Federal-Provincial Sub-Committee on Drinking Water of the Federal-Provincial Advisory Committee on Environmental and Occupational Health and published by authority of the Minister of National Health and Welfare.

Local conditions may necessitate modification of some of the recommended values by provincial agencies.

#### 6. EEC

The European Economic Community.

The EEC published its "Drinking Water Directive" in 1980.

#### 7. EPA

United States Environmental Protection Agency.

EPA provides drinking water regulations, proposed limits and health advisories applicable to drinking water and ambient water quality criteria.

#### 8. NAS

The United States National Academy of Sciences.

This is a scientific advisory body that provides EPA with regular scientific guidance on contaminants in drinking water.

#### 9. USSR

The Union of Soviet Socialist Republic.

Maximum Permissable Concentrations (MPC) for chemical substances existing in natural water or used as additives in the process of water treatment have been developed. These concentrations should not exceed the toxicological and organoleptic requirements of the USSR State Standard.

#### 10.MOL

The Ontario Ministry of Labour.

This Ministry may supply guidelines to MOE when circumstances necessitate that an "approved" guideline be established for those compounds for which no Ontario Drinking Water Objective yet exists. Advice may be sought from the MOL on the appropriate guideline to use for a specific case in Ontario.

#### 11.NEW YORK

The State of New York, USA.

This state has published drinking water standards, ambient water quality standards and ground water standards. These are intended to provide numerical limits for substances in waters used as a potable water supply.

#### 12.NEW JERSEY

The State of New Jersey, USA.

This state's Department of Environmental Protection has a comprehensive classification system which is used as an effective tool for optimizing ground water protection efforts, guidelines for levels of certain contaminants appropriate to the various ground water classifications are part of the process. Maps that are prepared on the basis of the classification system can be used to guide activities such as the development of standards for water supply, land use management, source controls and remedial action.

#### 13.NIOSH

The United States National Institute for Occupational Safety and Health.

This organization has published guidelines for several organic chemicals in Drinking Water and Health volume 4, 1982.

#### 14. HAWAII

The State of Hawaii, USA.

The Hawaii State Office of Environmental Quality Control has published Action Levels for several pesticides; these appeared in the American Water Works Association Journal (JAWWA.79 August 1987).

#### 15.NACA

The United States National Agricultural Chemicals Association.

This organization has released a document which suggests a method regulatory officials can use to evaluate groundwater contamination.

#### 16. AWWA

The American Water Works Association.

This association has published emergency limits for some chemical pollutants in OPFLOW, volume 9, number 3, March 1983.

#### CATEGORY

The following category designations for water are used for this listing system:

#### DW

Drinking water limits are for application to drinking waters, for most agencies they apply to drinking water at the consumers tap.

#### AMBIENT

Ambient water limits are applied to surface waters which may be used as a source of drinking water. The definition of "ambient" varies from agency to agency and reference should be made to the "LIMIT" section where the definition of each ambient limit is provided.

#### GT

Ground water is water that is held in the soil and ultimately will be used as a potable water supply, agricultural water or for the replenishment of surface waters. The states of New Jersey and New York have set limits which apply to such waters.

#### LIMIT

The following more fully explains the types of limits as well as some of the background information which relates to their applicability to drinking waters. It is important to recognize, given the differing methods used by agencies, and their varying legislative approaches, that each limit is usually associated with a particular level of risk or has been developed employing different uncertainty factors. For example, EPA's ambient water quality guidelines for carcinogens are given for a risk level of 1x10<sup>-6</sup>, whereas WHO's drinking water guideline values for these substances are associated with a risk of 1x10<sup>-5</sup>. Where it is possible to do so, the actual risk level associated with the limits is given in the PALIS listing. In many instances, these data are not readily available. As previously stated all drinking water limits are set to protect the consumer from significant health risk upon consumption of drinking water over a lifetime.

#### 1. AL

"Action Limit" for drinking water supplies in the State of California; when such limits are exceeded the need for some action (which might include resampling, investigation of source and remediation) is indicated.

#### 2. AO

"Aesthetic Objectives" set by Health and Welfare, Canada apply to certain substances or characteristics of drinking water which can affect its acceptance by consumers or interfere with good water supply practices.

#### 3. ASL

"Action Step Levels" have been established by the New York State Department of Health to provide guidance in responding to organic chemical concerns at public water systems.

- a/ ASL1 if met or is exceeded prompts the use of that water source to be discontinued and initiates other appropriate action steps. A response to identify and verify the problem, develop a course of action and describe how a resolution to the problem will be tracked must be initiated (as per PWS 159).
- b/ ASL2 if met or exceeded prompts notification of the Bureau of Public Water Supply Protection and initiation of a response as per ASL1.

#### 4. AWOC

The "Ambient Water Quality Criteria" are set by EPA in the USA and are designed to ensure that surface waters used as a source of drinking water and from which fish are eaten contain no level of chemical that can be construed as hazardous to human health. Chemicals may bio-accumulate or become concentrated in fish flesh and because this must be accounted for, the maximum allowable limits for chemicals in ambient waters may actually be lower than drinking water guidelines. AWQC reported by EPA, assumes a daily consumption by a 70 kg person from the same body of water to be 2 litres of water and 6.5 gm fish, over a lifetime. The criteria for known carcinogens are based on a risk level of 1x10<sup>-6</sup> and are noted as such with a "\*\*".

#### 5. AWQS

"Ambient Water Quality Standards" set by the State of New York are the basis of effluent limitations for use in state "Pollutant Discharge Elimination System" permits. Waters used as a source of drinking water, if subjected to approved disinfection treatment, with additional treatment if necessary to remove naturally present impurities, will meet NYS drinking water standards. The AWQS limits are classified as human health related, aesthetic or chemical correlation. Chemical correlations are used for substances for which there are not sufficient data or studies carried out and are based on the relationship of that substance to structurally similar chemicals which have sufficient human health effects, animal toxicological data and aesthetic thresholds on which to base standards.

#### 6. DWEL

A "Drinking Water Equivalent Level" set by EPA is defined as the medium-specific exposure which is interpreted to be protective for health effects not involving carcinogenicity over a lifetime of exposure. They are interpreted as lifetime Health Advisories when carcinogenicity is not suspected.

#### 7. ELLTC

"Emergency Limits for Long-term Consumption" have been developed by health experts convened by the AWWA to assist water purveyors specifically for emergency situations where the impact on drinking water supplies is expected to be long-term (over a period of days, months, years).

#### 8. ELSTC

"Emergency Limits for Short-term Consumption" have been developed by health experts convened by AWWA to assist water purveyors specifically for short-term emergencies ranging up to 3 days. Such limits could be used in situations such as a discrete spill of a chemical into a river which is only expected to impact drinking water supplies for a short time period.

#### 9. GL

A "Guideline Level" is a concentration in drinking water of a given substance which should not ideally be exceeded. Guideline levels are intended for use by members of the European Economic Community as a basis for the development of their own standards.

#### 10.GV

"Guideline Values" for drinking water quality are intended for use by countries as a basis for the development of standards, which, if properly implemented, will ensure the safety of drinking water supplies. The compilation of these guidelines covered a period of three years and involved the active participation of nearly 30 WHO Member states, scores of scientists and meetings of ten task groups.

For a number of organic substances that are carcinogens or suspected carcinogens guideline values have been recommended based on a linear, multi-stage extrapolation model which assumes that there is a finite risk from any exposure, however small, and that the risk is proportional to the dose. The guideline values are based upon the selection of an acceptable risk of less than 1 additional case of cancer per 100,000 (1x10<sup>-5</sup>) population assuming a daily consumption of 2 litres of drinking water by a 70 kg man. The "acceptable" risk of 1 in 100,000 per lifetime was arbitrarily selected by WHO. The uncertainties involved in this approach are significant and are at least about two orders of magnitude ie. the true values could be between one tenth and ten times the calculated values (see also Appendix 1).

#### 11.GW

A simplistic aquifer classification system based on total dissolved solids has been put into place as one of the factors that is considered in the setting of effluent limitations. It is used on a site-specific basis as one of the factors that determine permit limits.

#### a/ GW1

Class GW1 applies only to the Central Pine Barrens ground water. The limit ensures water that shall be suitable for potable water supply, agricultural water, and continual replenishment of surface waters to maintain the existing quantity and quality.

#### b/ GW2

Class GW2 applies to ground water having a natural total dissolved solid concentration of 500 mg/l or less. It shall be suitable for potable, industrial or agricultural water supply after conventional treatment for hardness, pH, iron, manganese and chlorination.

#### c/ GW3

Class GW3 is for ground water having a natural total dissolved solid concentration between 500 and 10000 mg/l. It shall be suitable for conversion to fresh potable water or other reasonable beneficial uses.

#### 12.GWQS

"Ground Water Quality Standards" for the state of New York are for waters used as a source of potable water. These ground waters are found in the saturated zone of unconsolidated deposits and consolidated rock or bed-rock.

#### 13.HA

"Health Advisories" set by EPA are intended to provide useful information in the setting of control priorities in cases where contamination occurs and may be provided on a case-by-case basis in emergency situations such as spills and accidents. They are not legally enforceable standards and are not issued as an official regulation.

#### a/ HA 1C

One day health advisory for a 10 kg child assuming he consumes 1 litre of water per day.

#### b/ HA 10C

Ten day health advisory for a 10 kg child assuming he consumes 1 litre of water a day.

#### c/ HALT C

Longer term health advisory (approximately 7 years, or 10% of an individuals lifetime) for a 10 kg child assuming the child consumes 1 litre of water per day.

#### d/ HALT A

Longer term health advisory (approximately 7 years, or 10% of an individuals lifetime) for a 70 kg adult assuming the adult consumes 2 litres of water per day.

#### e/ HA LIFE

Lifetime health advisory for a 70 kg adult assuming all exposure to the substance is from drinking water. In the March 31, 1987 EPA report on Health Advisories HA Life is quoted as a DWEL (Drinking Water Equivalent Level).

#### f/ HA LIFE A

Lifetime health advisory for a 70 kg adult assuming that 20% of the exposure to the substance is from drinking water and adjusting for additional uncertainty if the substance is a

potential carcinogen.

#### 14.HGL

"Health Guidance Levels" for pesticides are suggested by the US National Agricultural Chemical Association to evaluate ground water contamination. The lifetime chronic exposure level can be derived by multiplying by ten the acceptable daily intake.

#### 15. IDWG

The "Interim Drinking Water Guideline" limit is provided by Health and Welfare Canada from their toxicological data to meet specific needs of the Province of Ontario when no applicable guidelines are available.

#### 16.IMAC

The "Interim Maximum Acceptable Concentration" is used by Ontario and Health and Welfare, Canada to describe limits for substances of current concern with no known chronic effects in mammals and for which there are no established MAC's. Although toxicological, epidemiological and health data are available for such substances the data are subject to public and scientific debate before agreement on an MAC. The IMAC will generally be a conservative value subject to change as more precise information becomes available.

#### 17.LTAL

The "Long-term Action Level" developed by the State of Hawaii is based on a lifetime risk of cancer as 1 chance in 100,000. A plan will be implemented to reduce the level if it persists for more than several months.

#### 18.LTG

The "Long-term Goal" developed by the State of Hawaii is based on a lifetime risk of cancer as 1 chance in 1,000,000. A plan will be developed to reduce the level if it persists for prolonged periods.

#### 19.MAC

The "Maximum Acceptable Concentration" is used in Ontario and by Health and Welfare, Canada for limits applied to substances above which there are known or suspected adverse health effects. MACs from Health and Welfare Canada are not enforceable unless promulgated as such by the appropriate Provincial or Federal agency. MACs from Ontario can be made legally enforceable under the provisions of the Ontario Water Resources Act.

#### 20.MADC

The European Economic Community provides "Maximum Admissible Concentrations"; these are concentrations below which

substances in drinking water cannot, in the course of continuous ingestion, cause, or directly or indirectly result in any adverse health effects to a statistically representative sampling of the population. MADCs are intended for use by members of the EEC as a basis for the development of their own standards.

#### 21.MCL

The EPA defines its "Maximum Contaminant Level" as a lifetime limit at the lowest practicable level of a substance representing a potential hazard to humans in order to minimize the amount of a toxicant contributed by water, particularly when other sources such as milk, food or air are known to represent the major exposure to man. These are legally enforceable and take into account occurrence, relative source contribution factors, treatment technology, monitoring capability and costs in addition to health effects.

#### 22.MCLG

EPA provides a recommended "MCL health goal" which will be defined as the level at which no adverse health effects can be expected to occur. The MCLGs are not legally enforceable but represent the ideal level from the public health perspective. The MCLGs do not accept any degree of risk, hence some MCLGs may be zero if the EPA accepts the hypothesis that any exposure to carcinogens is not safe.

#### 23.MDC

The "Maximum Desirable Concentration" is a limit used in Ontario for substances which when present at higher concentrations are either aesthetically objectionable to an appreciable number of the population or may interfere with good water quality control practices.

#### 24.MPC

The USSR State Committee on Standards approved and brought into force "Maximum Permissable Concentrations" to provide for safe drinking water in respect of epidemic, chemical and organoleptic properties.

#### 25.SG

"Special Guidelines" may be provided by the Ontario Ministry of Labour when no other guidelines are available and inadequate toxicological data exist to proceed to full health-based objectives. Special guidelines are specific to individual cases and are provided only after consultation with scientific experts.

#### 26.SMCL

The "Secondary Maximum Contaminant Level" carries the same definition as the MCL but is not legally enforceable.

#### 27.SNAEL

"Suggested No-Adverse Effect Levels" are similar to health advisories. They provide useful information in the setting of control priorities in cases where contamination occurs and may be provided on a case-by-case basis in emergency situations such as spills and accidents.

#### 28.SNARL

The "Suggested No-Adverse Response Level" is the level of a contaminant in drinking water at which adverse health effects would not be anticipated. A margin of safety is factored in so as to protect the most sensitive members of the general population. Developed by NAS, SNARLS are calculated for a 70 kg adult. In the USA, SNARLs may or may not lead ultimately to the issuance of national standards or MCLs. The latter must take into account occurrence, relative source contribution factors, treatment technology, monitoring capability and costs in addition to health effects. SNARLs are offered as advice to regional and state environmental and health officials, local public officials and water treatment facility personnel who are responsible for the protection of public health when dealing with specific contamination situations.

#### a/ SNARL 1

A "Suggested No-Adverse Response Level 1" is the level of a contaminant in drinking water at which adverse health effects would not be anticipated for 24 hours.

#### b/ SNARL 7

A "Suggested No-Adverse Response Level 7" is the level of a contaminant in drinking water at which adverse health effects would not be anticipated for seven days.

#### c/ SNARL CHR

The "Chronic Suggested No-Adverse Response Level" is used for potential carcinogens where exposure is for more than 7 days; concentrations correspond to a one in one million cancer risk (1x10<sup>-6</sup> risk).

#### d/ SNARL CHR\*

The "Chronic Suggested No-Adverse Response Level-20%" is the same as SNARL-CHR but assumes that 20% of the acceptable daily intake is from water.

#### 29.STAL

The "Short-Term Action Level" if exceeded initiates a complete shut-down or implementation of a plan to reduce levels within 24 hours, in the State of Hawaii.

A "Tentative Guideline Value" is recommended by WHO in some cases, when, although the carcinogenicity data does not justify a full guideline value, the compounds are considered to have important health implications when present in drinking water. The tentative values are, nevertheless, based on the available health-related data, if additional evidence cannot be obtained, the tentative level in the future may be withdrawn. Tentative guideline values are derived using the multi-stage model even though the selected chemicals do not reveal significant carcinogenic properties. Consequently the tentative values display a greater degree of uncertainty than those derived for the guideline values.

#### LTYPE

The "limit type" signifies the type of limit that is listed.

H
"H"ealth limits apply to certain substances that are known or suspected to have adverse health effects.

A "A"esthetic limits apply to certain substances or conditions, the presence of which in excess of the limit does not present a risk to human health, but may render the water unpalatable or otherwise unacceptable to the consumer.

"C"hemical correlation limits are based on the relationship of that substance to structurally similar chemicals which have sufficient human health effects data, animal toxicological data and aesthetic thresholds on which to base standards. The chemicals must have similar functional groups and potential metabolic and toxicologic pathways.

#### STATUS

This indicates the actual "status" of the limit.

- "S"et indicates that the limit is established and applied by the regulatory agency
- "T"entative indicates that the limit has been developed but is awaiting public and scientific approval
- "P"roposed indicates that the limit has been developed and is still under scrutiny before being adopted by the proposing agency.

#### UOM

The "Unit of Measure" is provided for each of the limits. The unit used is that quoted in the original documentation. The units of measure are shown in Table 1 immediately following the PALIS SYSTEM PARAMETER REPORT, footnotes on p.76.

#### REFCODE

The "reference code" indicates the specific document from which the guideline/limit was quoted. In some instances, the documents were received directly from the agencies concerned; in others, the information was published in a journal or other publication; as full a reference as possible has been given. All original documents from which PALIS was derived are on file with the Drinking Water Section, Water Resources Branch.

The PALIS database contains an abbreviated reference file. The full reference file report is reproduced in Table 2 which immediately follows Table 1 on p.78.

#### ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 ####### .....

CHEM	IICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOH	REFCO
•••		*******	*****	•••••	•••••	••••		•••••
	CHLORO-O-TOLOXY)ACETIC			**				
94-74-6	EPA	DW	HA LIFE	H	S	18.000		
			HA LIFE A	H	S	3.600		
			HA1 C	H	S	.100		10
			HA10 C	H	S		MG/L	
			HALT A	H	S		MG/L	
			HALT C	H	S		MG/L	
	198200110020200	201	SNAEL	М	S		UG/L	
	NEW YORK	GW	GWQS	н	S	.440	UG/L	
1,1,	2TRICHLOR1,2,2TRIFLUOR	DETHAN						
	CALIFORNIA ST. DHS	DW	MCL	н	P	1,200.000	UG/L	
1-HY	DROXYETHYLIDENE-1,1-DI	PHOSPH						
2809-21-4	NEW YORK	AMBIENT	AUQS	D	P	50.000	UG/L	
2,4,	5-T							
3-76-5		DW	HA LIFE	н	S	.105	MG/L	
			HA LIFE A	н	S	.021	MG/L	
			HA1 C	н	S	.800	MG/L	
		g.	HA10 C	н	S	.800	MG/L	
			HALT A	н	S	1.050	MG/L	
			HALT C	н	s	.300	MG/L	
			SNAEL	н	S	.035	MG/L	
	H&U	DW	MAC	н	S	.280	MG/L	
	MOE	DW	MAC	H	s		MG/L	
	NEW YORK	CH	GWQS	н	S	35.000	UG/L	
2,4,	5-TD				•••••		•••••	
3-72-1		AMBIENT	AWQC	H	S	10.000	UG/L	
		DW	NA LIFE	H	s	260.000	UG/L	
			NA LIFE A	¥	s	52.000	UG/L	
			HA1 C	н	s	200.000	UG/L	
			HA10 C	н	S	200.000		
			HALT C	H	S	70.000		
			MCL	н	s		MG/L	
			MCLG	×	P		MG/L	
			SNAEL	H.	s		UG/L	3
	FLORIDA ST.	DW	MCL		s		MG/L	
	NOE	DW	MAC	Ä	s		MG/L	
		6.70m()		55.74	N. G.			
	NEW YORK	AMBIENT	AUQS	H	S	10.000	UG/L	

# ###### PALIS SYSTEM PARAMETER REPORT,---10/16/90 #######

CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
		•••••	****		•••••		•••	
2,4,						202	70.000	2.4
93-72-1		GW	GMQS	N	S	.260	UG/L	16
2,4-1								
94-75-7		DW	ELLTC	н	P	.100	MG/L	23
24 12 1	AWEA	<b>V</b>	ELSTC	×	P	2.000		23
	EPA	AMBIENT	AWQC	H	S	100.000		9
		DW	NA LIFE	н	S	350.000	UG/L	7
		T.00	HA LIFE A	H	S	70.000	UG/L	7
			HA1 C	н	S	1,100.000	UG/L	7
			HA10 C	H	S	300.000		7
			MCL	H	S	.100	MG/L	28
			MCLG	н	P	.070		8
			SNAEL	H	S	4.400	UG/L	10
	FLORIDA ST.	DW	HCL	H	S	.100	MG/L	ä
	HEW	DW	MAC	н	S	.100	MG/L	
	MOE	DW	MAC	H	S	.100	MG/L	
	NACA	GM	NGL	H	P	1.250	MG/L	22
	NEW YORK	AMBIENT	AWOS	H	S	100.000		10
		DW	MCL	H	S	_100		25
		GW	GWQS	H	S	4.400	UG/L	10
	WHO	DW	GV	H	S	100.000	UG/L	II
						••••••		
2,4-1	DICHLOROPHENOXYBUTY	RIC ACID	IDWG	н	s	.018	MG/L	1
3-CH	LORO-1,2-PROPANEDIO	L						
96-24-2		DW	MPC	٨	S	.700	MG/L	17
ACEN	APHTHENE							
83-32-9		AMBIENT	AUQS	A	S	20.000	UG/L	10
ACEP	HATE							_
	NACA	en .	HGL	H	P	.250	MG/L	2
ACET	ALDEHYDE							
75-07-0		DW	MPC	A	s	.200	MG/L	1
ACETO	ONE					POUR COMMERCE		22
67-64-1	MOL	DW	SG	A	P	1.000	MG/L	1
	ONE CYANOHYDRIN	DW	MPC	н	s	.001	MG/L	1

### ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHE	TICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOH	REFCODE
			••••	••••		••••	•••	•••••
ACE	TOPHENONE							
98-86-2		DW	MPC	H	S	.100	MG/L	12
	TOPHOS	***************************************						•••••••
1.2-	USSR	DW	MPC	A	S	.030	MG/L	12
ACII	FLUORFEN	•••••					********	
5094-66-6	EPA	DW	HA LIFE	W	s	.440		27
			HA LIFE A	н	s	9.000		27
			HA1 C	н	S	2.000	MG/L	27
			HA10 C	н	S	2.000	MG/L	27
			HALT A	н	S	.440	MG/L	27
			HALT C	H	S	. 130	MG/L	27
ACRO	DLEIN							
107-02-8	EPA	AMBIENT	AMOC	H	572	320.000		9
ACRY								
79-06-1	EPA	DW	DWEL	н	S	.007	MG/L	7
			HA1 C	H	S	1.500	MG/L	7
			HA10 C	н	S	.300	MG/L	7
			HALT A	н	S	.070	MG/L	7
			HALT C	н	S	.020	MG/L	7
			MCLG	Н	P	.000	MG/L	8
ACRY	LIC ACID							
79-10-7	USSR	DW	MPC		S	.500	MG/L	12
	LONITRILE							
107-13-1	EPA	AMBIENT	AUQC		S			9
	USSR	DW	HPC	H	s	2.000	MG/L	12
ADIF	IC ACID DINITRIL	E	9					
	USSR	DW	MPC	H	S	.100	MG/L	12
ALAC	CHLOR					• • • • • • • • • • • • • • • • • • • •		
15972-60-8	EPA	DW	DWEL	H	S	.350	MG/L	7
			HA1 C	H	S	.100	MG/L	7
			HA10 C	N	S	.100	MG/L	7
			MCL	H	P	.002	MG/L	34
			MCLG	H	P	.000	Concession Caracter	8
			SNAEL	H	S	.035	MG/L	10

### ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 ########

CHEMICAL REFCODE LIMIT LTYPE STATUS VALUE UOM CATEGORY CAS# AGENCY -----..... ...... ALACHLOR 35.000 UG/L CLIOS 15972-60-8 NEW YORK ALDICARB 10,000 UG/L 3 116-06-3 CALIFORNIA ST. DHS DU AL 42.000 UG/L 7 HA LIFE S DU EPA 9.000 UG/L 7 HA LIFE A 7 12.000 UG/L HA1 C S 12.000 UG/L 7 H S HA10 C 7 42.000 UG/L H S HALT A 7 12.000 UG/L S HALT C .350 UG/L 10 S .009 MG/L 5 S H&U DU .009 MG/L 1 S MOE DW MAC .030 MG/L 22 P GU HGL NACA 7.000 UG/L 16 S AUGS NEW YORK AMBIENT 26 S 7.000 UG/L ASL1 26 3.000 UG/L ASL2 5 .350 UG/L 16 CLUDS ALDICARB SULFOXIDE .010 MG/L EPA MCL H P ..... ALDICARB SULFOXONE 34 .040 MG/L MCL H EPA DW ALDICARB(+SULFOXIDE AND SULFONE) P .009 MG/L H MCLG ALDRIN 23 .032 MG/L ELLTC 309-00-2 AMA .050 MG/L 23 ELSTC 3 .050 UG/L CALIFORNIA ST. DHS AL DW 9 .074 NG/L \*\* H . S AMBIENT AUQC EPA .107 UG/L \*\* 11 S NAS DW SMARL CHR .002 MG/L 12 S USSR ALDRIN AND DIELDRIN .700 UG/L 5 H&W MAC H DW 309-00-2+D S .700 UG/L 1 MAC DW MOE GW1 S .003 UG/L 21 GW NEW JERSEY

GW2

.003 UG/L

21

### ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 ########

	CHEMIC								
CAS#		AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOH	REFCOO
			•••••	****	••••			•••	
		AND DIELDRIN	1420W	720 <u>-</u>			202		32
309-00-	2+D		CH	GLIS	A	-	.003		2
		WHO	DW	GV	Н	S	.030	UG/L	
9		TIC AMINES C10-C16							
		USSR	DW	MPC	A	S	.040	MG/L	1
	ALIPHA1	TIC AMINES C16-C20							
		USSR	DW	MPC	۸	S	.030	MG/L	1
/4		TIC AMINES C7-C9							
WIELDON LINGTH		USSR	DW	MPC	A	S	.100	MG/L	1
	ALKYL E	BENZENESUL FONATES							
		USSR	DW	MPC	A	S	.500	MG/L	1
		SULFATES							
		USSR	DW	MPC	A	S	.500	MG/L	2
	ALKYL S	SULFONATES		• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • •		
		USSR	DU	MPC	A	S	.500	MG/L	3.4
	ALUMINU	 M		••••••				•••••	
7429-90	-5	EEC	DW	GL	A	S	.050	MG/L	
				MADC	A	S	.200	MG/L	
		EPA	DW	SMCL	A	P	.050	MG/L	
		USSR	DW	MPC	н	S	.500	MG/L	9
		WHO	DW	GV	A	S	.200	MG/L	
,	AMETRYN	l		•••••••				•••••	
834-12-8	В	EPA	DW	NA LIFE	H	S	.300	MG/L	
				HA LIFE A	н	S	.060	MG/L	
	14			HA1 C	н	S	8.600	MG/L	3
				HA10 C	н	s	8.600	MG/L	
				HALT A	н	S	3.000	MG/L	
				HALT C	H	S	.860	MG/L	3
	)	NACA	GW	HGL	н	P	.125		2
A	WIBEN								
133-90-4		EPA	DW	SNAEL	H	S	.088	MG/L	
		NEW YORK	GU	GWQS	н	S	87.500	11671	

# ###### PALIS SYSTEM PARAMETER REPORT --- 10/16/90 #######

CHEMICAL CATEGORY REFCODE AGENCY LIMIT LTYPE STATUS VALUE UOM CAS# ..... ..... ----AMINOCRESOL 1.000 UG/L 16 NEW YORK AMBIENT AUQS AMINOPHENOL (ORTHO) .010 MG/L 12 95-55-6 USSR S DL AMINOPHENOL (PARA) .050 MG/L 12 S 123-30-8 USSR MPC AMMONIA .500 UG/L 21 7664-41-7 NEW JERSEY GW1 \$ .500 UG/L 21 S GW2 A .500 UG/L 21 S GW3 16 2,000.000 UG/L S AMBIENT AWQS NEW YORK 2.000 MG/L 12 S **MUI HOHMA** .050 MG/L GI FFC DW MADC S .500 MG/L AMMONIUM PERCHLORATE 5.000 MG/L 7790-98-9 USSR MPC H S AMMONIUM SULFAMATE 7.500 MG/L 27 7773-06-0 EPA HA LIFE 27 1.500 MG/L HA LIFE A 27 H 21.400 MG/L HA1 C 27 HA10 C H S 21.400 MG/L 75.000 MG/L 27 HALT A H S 21.400 MG/L 27 S MALT C 12 .100 MG/L .050 MG/L 12 S MPC DW ANTIMONY 7440-36-0 EEC 10.000 UG/L 6 MADC 9 AUGC S 146.000 UG/L EPA AMBIENT USSR DW MPC .050 MG/L 12

# PALIS SYSTEM PARAMETER REPORT---10/16/90

CHER	·							
CAS#	AGENCY	CATEGORY	LIMIT	I TYPE	STATUS	VALUE	UOM	REFCODE
	AGERCI	CATEGORY	FINIT		017100	*****		
ARSE		22222						
7440-38-2	EEC	DW	NADC	H	s	50.000	UG/L	6
1440-36-2	EPA	AMBIENT	AUQC	ä	S	2.200	NG/L **	9
	EFA	DW	HA LIFE	H	S	50.000	UG/L	7
		DW .	HA LIFE A	H	S	50.000	UG/L	7
			HA1 C		S	50.000		7
			HA10 C	Ä	s	50.000		7
			HALT A	H	s	50.000		7
			HALT C	H	S	50.000	V 1000-100-400 (200-1	7
		3	MCL	H	s	.050	MG/L	28
			MCLG	ä	P		MG/L	8
	FLORIDA ST.	DW	MCL	H	s		MG/L	2
	HEW	DW	MAC	H	s	.025		5
	MOE	DW	MAC	n H	S	.025	MG/L	1
		AMBIENT	AWQS	7 H	S	50.000	UG/L	16
	NEW YORK			H	S	.050	MG/L	25
		DW	MCL GWQS	H	s	.025	MG/L	16
	USSR	GW DW	MPC	л И	S	.050	MG/L	12
	MBMBM	72/07	(R)(C) (10.77)	Ä	S		MG/L	4
	MHO	DW	GV		3	.000	MU/L	
ARSEN	IC AND COMPOUNDS							
7440-38-2+	NEW JERSEY	GW	GW1	A	S	.050	MG/L	21
		<del></del>	GW2	A	s	.050	MG/L	21
			GW3	A	S	.050	MG/L	21
								•••••
ASBES	STOS					86		
1332-21-4	EPA	AMBIENT	AWQC	н	S	30,000.000	F/L **	9
		DW	MCL	H	P	7,000,000.000	F/L	34
			MCLG	H	P	7,100,000.000	F/L	8
					••••••			•••••
ATRAZ						592	100 25	722
1912-24-9	EPA	DM	HA LIFE	н	S	.123	MG/L	27
			HA LIFE A	н	S	3.000		27
			HA1 C	н	S	.100	MG/L	27
			HA10 C	н	S	.100	200 - 000 To 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27
			HALT A	H	S		MG/L	27
			HALT C	H	S	.035		27
			MCL	H	P		MG/L	34
			SNAEL	H	S	7.500		10
	HEW	DW	IMAC	H	S	.060	MG/L	5
	MOE	DM	IMAC	H	S	.060	MG/L	1
	NACA	GN	HGL	H	P	.375	MG/L	22

8

# ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHEMICAL REFCODE CATEGORY LIMIT LTYPE STATUS VALUE UOM CAS# AGENCY -----..... ATRAZINE 150.000 UG/L 11 1912-24-9 SMARL CHR\* 25.000 UG/L 26 NEW YORK DW ASL1 2 5.000 UG/L 26 ASLZ S 7.500 UG/L 16 S CU AZINPHOSMETHYL SMAEL H 4.400 UG/L 10 86-50-0 DW MAC H S .020 MG/L 5 HEU DW .020 MG/L MAC H S 1 NOE DW .250 MG/L 22 NACA GW HGL H 4.400 UG/L 16 S NEW YORK GWQS BARIUM 100.000 UG/L 7440-39-3 GL A S 6 DW FEC 1.000 MG/L 9 AUQC AMBIENT S EPA 7 1,800.000 UG/L DW HA LIFE S 7 HA LIFE A S 1,500.000 UG/L 7 .510 MG/L HA1 C S .510 MG/L 7 HA10 C S .510 MG/L 7 HALT C S 1.000 MG/L 28 MCL S 8 1.500 MG/L MCLG P 1.000 MG/L 2 MCL S FLORIDA ST. DW 1.000 MG/L 5 MAC S HEU DW MAC S 1.000 MG/L 1 MOE DW GU1 1.000 UG/L 21 NEW JERSEY CL G42 2 1.000 UG/L 21 S 1.000 UG/L 21 GL/3 16 S 1,000.000 UG/L NEW YORK AMBIENT AUQS 25 1.000 MG/L S DW MCL 1.000 MG/L 16 GLIQS S CL 12 4.000 MG/L USSR BEND I OCARB .040 MG/L 5 MAC S 22781-23-3 NEW .040 MG/L MAC BENEFIN 35.000 UG/L 10 DU SNAEL EPA

GLIOS

CL

NEW YORK

35.000 UG/L

16

### ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

	IICAL							
		CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	*****	•••••	••••	••••	•••••	••••	•••	
	TAZON							
25057-89-0	EPA	DW	HA LIFE	н	S	87.500	UG/L	27
			HA LIFE A	H	S	17.500	UG/L	27
	ě.		HA1 C	н	S	.250	MG/L	27
			HA10 C	Ħ	S	.250	MG/L	27
			HALT A	H	S	.875	MG/L	27
			HALT C	H	S	.250	MG/L	27
	NACA	GW .	HGL	H	P	11.750	MG/L	22
BEN	ZENE							
71-43-2	CALIFORNIA ST. DHS	DW	AL	H	S		UG/L	3
	EPA	AMBIENT	AHQC	H	S	.660	UG/L **	9
		DW	HA1 C	H	S	235.000	UG/L	7
			HA10 C	H	S	235.000	UG/L	7
			MCL	H	S	5.000	UG/L	20
			MCLG	H	S	.000	UG/L	8
	FLORIDA ST.	DW	MCL	н	S	1.000	UG/L	2
	HEU	DW	MAC	H	S	.005	MG/L	5
	MOE	DW	MAC	H	S	.005	MG/L	1
	NAS	DW	SNARL 7	н	S	250.000	UG/L	11
	NIOSH	DW	SNARL 7	н	S	.250	MG/L	24
	USSR	DW	MPC	H	S	.500	MG/L	12
	WHO	DW	GV	H	S	10.000	UG/L	4
BENZ	IDINE							•••••
92-87-5	EPA	AMBIENT	AWQC	н	S	.120	NG/L **	9
	NEW JERSEY	GH	GW1	A	S	.100	UG/L	21
			GW2	A	S	.100	UG/L	21
			GL/3	A	S		UG/L	21
BENZ	INE		***************************************			••••••	•••••	
	USSR	DW	MPC	A	S	. 100	MG/L	12
BENZ	O(A)PYRENE		*****************	********				
50-32-8		DW	MAC	H	S	.010	UG/L	5
	MOE	DW	MAC	H	S	.010	UG/L	1
	NEW YORK	AMBIENT	AWQS	H	P		UG/L	16
	WHO	DW	GV	н	s		UG/L	4
BERY	LLIUM		***************************************		•••••		•••••	
7440-41-7		DW	ELLTC	н	P	000	MG/L	23
			ELSTC	H	P		MG/L	23
			ELSIL	п.	<b>F</b>	.100	MU/L	2

# ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHEMICAL LTYPE STATUS VALUE UOM CATEGORY LIMIT CAS# AGENCY ..... ..... BERYLLIUM 6.800 NG/L \*\* 0 7440-41-7 EPA AMBIENT 12 USSR S .200 UG/L BHC(ALPHA) .700 UG/L 2 319-84-6 CALIFORNIA ST. DHS H S 9.200 NG/L \*\* AUQC AMBIENT BHC(BETA) .300 UG/L 3 CALIFORNIA ST. DHS 16.300 NG/L \*\* 0 AWQC S EPA AMBIENT BHC(TECHNICAL) 12.300 NG/L \*\* 9 EPA AWQC S AMBIENT BIS-(2-ETHYLHEXYL)PHTHALATE 9 15.000 MG/L S 117-81-7 AMBIENT AWQC H EPA 4,200.000 UG/L 11 SNARL CHR\* S NAS DW H 1.000 UG/L 12 USSR DW BOD (5 DAY) 21 NEW JERSEY CH A S 3.000 MG/L BORON 23 7440-42-8 ALAJA 1.000 MG/L DM FILTC 23 ELSTC H 25,000 MG/L 6 1,000.000 UG/L GL S EEC DW 5 5.000 MG/L HEW DW MAC S 5.000 MG/L S BROMACIL 27 314-40-9 EPA HA LIFE 4.200 MG/L DW .080 MG/L 27 HA LIFE A S 27 4.600 MG/L HA1 C S 4.600 MG/L 27 HA10 C H S 27 8.700 MG/L HALT A H S 27 2.500 MG/L HALT C H S H S 4.400 UG/L 10 SNAEL 22 н .125 MG/L HGL MACA a 4.400 UG/L 16 . NEW YORK GWQS 5 1689-84-5 NEW DW IMAC S .005 MG/L

### ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 ########

CHEM								
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	*****	******	*****			*****		
	OXYNIL							
1689-84-5	7.000	DW	IMAC	H	S		MG/L	1
	NACA	C	HGL	H	P	.025	MG/L	22
	CHLOR				•••••			
	EPA	DW	SNAEL	И	S	3.500	UG/L	10
	NEW YORK	GH	GLOS	H	S	3.500	UG/L	16
	L ACRYLATE				***********			• • • • • • • • • • • • • • • • • • • •
141-32-2	USSR	DW	MPC	A	s	.015	MG/L	12
RITY	L BENZENE					• • • • • • • • • • • • • • • • • • • •	•••••	••••••
<b>B</b> 0111	USSR	· DW	MPC	A	s	.100	MG/L	12
•	• • • • • • • • • • • • • • • • • • • •			•••••				
BUTY	L XANTHATE	#855i		2	·		0000000	
	USSR	DW	MPC		S	.001	MG/L	12
BUTY	LATE							
2008-41-5	EPA	DW	HA LIFE	H	S	2.450	MG/L	
			HA LIFE A	H	S	.050	MG/L	27
			HA1 C		S	2.400	MG/L	27
			HA10 C	Ħ	S	2.400	MG/L	27
BUTY	LENE							
	USSR	DW	MPC	A	S	.200	MG/L	12
CADH	IUM	***************************************					•••••	
7440-43-9	EEC	DW	MADC	H	S	5.000	UG/L	6
	EPA	AMBIENT	AHQC	u	S	10.000	UG/L	9
		DW	MA LIFE	H	S	18.000	UG/L	7
			NA LIFE A	н	S	5.000	UG/L	7
			HA1 C	H	S	43.000	UG/L	7
			HA10 C	H	S	43.000	UG/L	7
			HALT A	H	S	18.000	UG/L	7
			HALT C	H	S	5.000	UG/L	7
			MCL	H	S	.010		28
			MCLG	H	P	.005	MG/L	8
	FLORIDA ST.	DW	MCL	H	S	.010		. 2
	H&W	DW	MAC	H	S	.005	MG/L	5
	HOE	DW	MAC	Н	S	.005	MG/L	1
	NEW YORK	AMBIENT	AWQS	H	S	10.000	100 mm	16
		DW	MCL	н	S	.010	MG/L	25

# ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHEMICAL CATEGORY LIMIT LTYPE STATUS VALUE UOM REFCODE AGENCY CAS# ..... ---------..... ...... CADMIUM 7440-43-9 NEW YORK GHQS .010 MG/L 16 G USSR DW MPC S .010 MG/L 12 .005 MG/L 4 MHO DW GV CADMIUM AND COMPOUNDS 21 GM2 .010 MG/L 7440-43-9+ NEW JERSEY A S GW GV3 S .010 MG/L CALCIUM 7440-70-2 EEC GL A S 100.000 MG/L 6 CALCIUM CARBONATE A S 500.000 MG/L 471-34-1 WHO DW GV CAPTAN .350 MG/L 3 133-06-2 CALIFORNIA ST. DHS EPA DW AL H S .018 MG/L 10 SNAEL H S DW H 17.500 UG/L 16 GUGS S NEW YORK GW CARBARYL 3.500 MG/L 27 63-25-2 EPA DW HA LIFE S .700 MG/L 27 HA LIFE A H S 27 HA1 C H S 1.000 MG/L 1.000 MG/L 27 HA10 C H S 1.000 MG/L 27 HALT C H S SNAEL H .029 MG/L 10 S H .090 MG/L 5 S HEW MAC H .070 MG/L 1 MOE DW NAC \$ 22 WGL P 1.000 MG/L NACA 16 NEW YORK CUQS 28.700 UG/L au 12 CARBINE .030 MG/L 12 A S MPC CARBOFURAN 18.000 UG/L 31 CALIFORNIA ST. DHS DW MCL H 1563-66-2 HA LIFE H 180.000 UG/L DW S 7 EPA 36.000 UG/L H S HA LIFE A H S 50.000 UG/L 7 HA1 C 7 H S 50.000 UG/L HA10 C

# ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHEM								
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
****	•••••		••••	•••••				•••••
CARBO	DFURAN							
1563-66-2	EPA	DW	HALT A	H	S	180.000	UG/L	
			HALT C	H	S	50.000	UG/L	
			MCL	н	P	.040	MG/L	3
			MCLG	H	P	.036	MG/L	1
	HEN	DW	MAC	и	S	.090	MG/L	
	MOE	DW	MAC	H	S	.090	MG/L	
	NACA	GW	HGL	H	P	.050	MG/L	22
	NEW YORK	AMBIENT	AWQS	н	S	15.000	UG/L	16
		DW	ASL1	н	S	15.000	UG/L	26
			ASL2	H	S	3.000	UG/L	26
CADD	ON DISULFIDE							••••••
75-15-0	USSR	DW	MPC	A	s	1.000	MG/L	12
•••••								
	ON TETRACHLORIDE							
5- <b>23-5</b>			AL	н	S	5.000		
	EPA	AMBIENT	AHQC	H	S	.400	UG/L **	
		DW	DWEL	H	S	25.000	UG/L	9
			HA1 C	H	S	4,000.000	UG/L	i.
			HA10 C	н	S	160.000		99
			HALT A	H	S	250.000	UG/L	23
			HALT C	H	S	71.000		9
			MCL	н	S	5.000	UG/L	2
			MCLG	H	S	.000	UG/L	
	FLORIDA ST.	DW	MCL	H	S	3.000	UG/L	Ĵ
	HEU	DW	MAC	×	S	.005	MG/L	
	MOE	DV	MAC	H	S	.005		
	NAS	DW	SNARL 7	H	S	2,000.000		
			SNARL CHR	H	S	6.670	UG/L **	1
	USSR	DW	MPC	H	S	.300	MG/L	1
	WHO	DW	TGV	H	S	3.000	UG/L	19
CAPRO	PHENOTHION	***************************************		•••••			••••••	
786-19-6		DW	AL.	н	S	.007	MG/L	
		***************						
CARBO	PHOS USSR	DW	MPC	A	s	OE O	MG/L	1
			Art	^	•			
CARBO								
5234-68-4	EPA	DW	HA LIFE	H	S	3.500		2
						.700		

# ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHEMICAL ..... VALUE UOM REFCODE LTYPE STATUS LIMIT CATEGORY CAS# AGENCY .... ...... -----CARBOXIN 1.000 MG/L 27 HA1 C 2 5234-68-4 EPA 1.000 MG/L 27 S HA10 C 3.500 MG/L 27 HALT A S 27 1.000 MG/L 5 HALT C MPC A S .500 MG/L 12 CESIUM-137 50.000 BECQ/L MAC 2 HEU DW 50.000 BECQ/L S MOE DW MAC CHINOMETHIONATE .300 MG/L 22 HGL H P NACA CW CHLORAMBEN 27 HA LIFE .525 MG/L EPA 27 .105 MG/L H S NA LIFE A 27 2.500 MG/L HA1 C H S 27 2.500 MG/L HA10 C H S .525 MG/L 27 S HALT A H .150 MG/L 27 HALT C H S 5.000 MG/L 22 H P NACA 12 A S .010 MG/L MPC CHLORDANE 23 .003 MG/L ELLTC 57-74-9 AWA DW .060 MG/L 23 ELSTC 3 .055 UG/L 5 CALIFORNIA ST. DHS AL .100 UG/L MCL .460 NG/L \*\* AUGC EPA AMBIENT 7 2.000 UG/L # S DWEL DW 7 63.000 UG/L S HA1 C 7 63.000 UG/L S HA10 C .002 MG/L 34 P MCL .000 MG/L MCLG P .007 MG/L 5 S MAC DW HEW S .007 MG/L 1 MAC MOE DW .100 UG/L 16 NEW YORK CW GHOS

# ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 ########

	EMICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
••••		•••••	*****	*****	*****	****	•••	******
57-74-9	LORDANE WHO	DW	GV	H	s	.300	UG/L	4
CHL	LORIDE							
	EPA	DW	SMCL	A	S	250.000	MG/L	28
	H&W	DW	AO .	A	\$	250.000	MG/L	5
	MOE	DW	MDC	A	S	250.000		
	NEW JERSEY	GU	GM1	Α	S	10.000	1 400 100 100 100 100 100 100 100 100 10	21
			GW2	A	S	250.000		21
	NEW YORK	AMBIENT	AWQS			250,000.000		16
		DW	MCL	н		250.000		25
	v eve	GW	GWQS	н	S	250.000	Marketon M. Collect	16
	WHO	DW	GV	<b>A</b>	S	250.000	MG/L	
CHL	LORIDES	WESTER	X2206	12	Valv		00200	
	EEC	DW	GL	<b>A</b>	S	25.000	MG/L	
CHL	LORINATED BENZENES							
	EPA	AMBIENT	AHQC	Н	S	488.000	UG/L	
CHL	OROANILINE(PARA)							
106-47-8	USSR	DW	MPC	H	S	.200	MG/L	12
CHL	OROBENZENE							
108-90-7	EPA	AMBIENT	AUGC	H	S	488.000	UG/L	9
		DW	HA LIFE	H	S	1,510.000	UG/L	1
			HA LIFE A	- H	S	300.000		
			HA1 C	H	S	4,300.000	UG/L	11
		*	HA10 C	H	S	4,300.000		N.
			HALT A	H	S	15,000.000		·
			HALT C	н	S	4,300.000		(6
			MCLG	H	P	.060		1
	NEW YORK	AMBIENT	AWQS	A	S	20.000		1
	USSR	DW	MPC	H	S	.020	MG/L	1.
CHL	OROETHYL ETHER (BIS-	2)				₩ Marana		
	EPA	AMBIENT	AWQC	H	S	.030	UG/L **	
CHL	OROFORM							
CHL	OROFORM EPA	DW	MCL	H	s	100.000	UG/L	1

## \*\*\*\*\*\*\* PALIS SYSTEM PARAMETER REPORT---10/16/90 \*\*\*\*\*\*\*\*

	MICAL							
CAS#		CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOH	REFCODE
	•••••	*******						
CHL	OROFORM							
67-66-3	EPA	DW	MCL	H	S	100.000	UG/L +	
	NAS	DW	SNARL 7	W	S	3,200.000		
			SMARL CHR	350	S	3.120	UG/L **	11
	NEW YORK		AWRS	1.340	S	.200	UG/L	16
		(American Control of the Control of	GMQS	92	S	100.000	UG/L	16
	WHO	DW	GV	Н	S	30.000	UG/L	4
CHL	OROHEPTANOIC ACID				_	250	wa #	
	USSR	DW	MPC		S 	.050	MG/L	12
CHL	OROISOPROPYL(BIS-2)		POSE OF		-2			
	EPA	AMBIENT	AMQC	H	S	.035	MG/L	9
CHL	OROMETHYL ETHER (BIS)					2022	DESCRIPTION 02:020	_
	EPA	AMBIENT	AMQC	H	\$	.004	PG/L **	9
	ORONAPHTHALENE(2)							20
91-58-7	NEW YORK	AMBIENT	AUQS	С	\$ 	10.000	UG/L	16
CHL	ORON I TROCYL COHEXANE							13
	USSR	DW	MPC	A	S	.005	MG/L	12
CHL	ORONONANOIC ACID							
	USSR	DV	MPC	A	S	.300	MG/L	12
CHL	OROPHOS							
	USSR	DW	MC	A	S	.050	MG/L	12
CHL	OROPRENE		,					
	USSR	DU	MPC	A	S	.100	MG/L	12
CHL	.OROPROPHAM							
	CALIFORNIA ST. DHS	DV	AL .	N	\$	.350	MG/L	3
CHL	OROTHALONIL							A STATE OF THE STA
1897-45-6		DW	HA LIFE	H	S		MG/L	27
11.독실당 12 (주)	2002/RS		HA1 C	н	S	250.000		27
			HA10 C	н	S	250.000		
			HALT A	ĸ	S	.525		27
			HALT C	H	S	150.000		27
	NACA	GU	HGL	4	P	.150	MG/L	22

CAS#	AGENCY	CATEGORY	LIMIT	LTYDE	STATUS	VALUE	~	REFCODE
	AGENCT	CATEGORY	LIMIT	LITTE	SIAIUS	VALUE		REFLUDE
	HLOROUNDECANOIC ACID							
•	USSR	DW :	MPC	A	S	.100	MG/L	12
	•••••				••••••	•••••		
C	HLORPYRIFOS							
	H <del>EU</del>	DW	MAC	H	S		MG/L	5
	MOE	DW	MAC	H	S	.090		1
	NACA	GH	HGL	H	P	.030	MG/L	22
С	HROMIUM						•••••	•••••
7440-47-		DW	MADC	H	S	50.000	UG/L	6
	EPA	DW	NA LIFE	н	s	170.000	UG/L	7
			HA LIFE A	н	S	120.000	UG/L	7
			HA1 C	H	S	1,400.000	UG/L	7
			HA10 C	н	S	1,400.000		7
			HALT A	н	S	840.000		7
			HALT C	н	s	240.000		7
			MCL	н	S	.050		28
			MCLG	н	P	.120		8
	FLORIDA ST.	DW	MCL	H	s	.050		2
	HEU	DW	MAC	н	S	.050		5
	MOE	DW	MAC	н	S	.050		1
	NEW YORK	AMBIENT	AUQS	H	S	50.000		16
		DW	MCL	H		.050		25
	WHO	DW	GV	H	S	.050		4
			•••••••	•••••				
	HROMIUM (HEX) 3HEX EPA	AMBIENT	AWQC	н	s	50.000	UG/I	9
1339 31 1	NEW YORK	AMBIENT	AUQS	, H	P	7.200		16
	USSR	DW	MPC	Ä	(25)	.100		12
	USSK		m c	Ĥ	S	.100		12
	HROMIUM (HEX) AND COMP							
7440-47-	3+ NEW JERSEY	GL ,	GM2	A	S	.050	MG/L	21
			GN3	٨	S	.050	MG/L	21
CI	HROMIUM (TRI)							
	STRI EPA	AMBIENT	AUQC	H	S	170.000	MG/I	9
	USSR	DW	MPC	 A	s		MG/L	. 12
• • • • • • • •								
CI	HROMIUM(HEX)							
	NEW YORK	CM	GWQS	H	S	.050	MG/L	16
							• • • • • • •	

CHE	HICAL							
		A4TFAAAV	LIMIT	TYPE	STATUS	VALUE	LION	REFCODE
CAS#	AGENCY	CATEGORY	LIMIT	LITPE	314103	******		KE, COOL
		*******	••••		.T.(T)(T)(T)(T)(T)			
CHS	-2-1	N/I	MPC	A	s	10.000	MC /I	12
	USSR	DV		^	•	10.000		
COB	4. T							
7440-48-4	USSR	DW	MPC		s	1.000	MG/L	12
7440-46-4	022K	DW	W-C					
COL	I FORMS							
COL	EPA	DW	HCL	×	s	1,000	/100HL	28
COL	OLIP.							
	EEC	DW	GL	A	S	1,000	MG/L	6
			MADC	A	S	20.000	MG/L	6
	EPA	DW	SMCL	A	S	15.000	CONTRACTOR OF THE CONTRACTOR O	28
	HEW	DW	AO	Ā	S		TOU	5
	MOE	DW	MDC	A	S	5.000	ταυ	1
	NEW YORK	DW	MCL	Ā	S	15.000	ταυ	25
	WHO	DW	GV	A	S	15.000		4
	• • • • • • • • • • • • • • • • • • • •							
CON	DUCTIVITY							
	EEC	DW	GL	A	S	400.000	US/CM	6
COPI	PER							
7440-50-8	EEC	DW	GL	A	S	100.000	UG/L	6
	EPA	DW	MCL	н	P	1.300	MG/L	32
			MCLG	H	P	1.300	MG/L	8
			SMCL	A	S	1.000	MG/L	28
	M&W	DW	AO	A	S	1.000	MG/L	5
	NOE	DW	MDC	A	S	1.000	MG/L	1
	NEW JERSEY	GU	cu1	A	S	1.000	MG/L	21
			GM2	A	S	1.000	MG/L	21
			GLIS	A	S	1.000	MG/L	21
	NEW YORK	AMBIENT	AWQS	н	S	200.000	UG/L	16
		DW	MCL	A	s	1.000	MG/L	25
		GU	GMQS	н	S	1.000	MG/L	16
	USSR	DW	MPC	Ā	S	.100	MG/L	12
	WHO	DW	GV	A	S	1,000	MG/L	4
			, 					
CDE	SYL DITHIOPHOSPHATE							
UNL.	USSR	DW	MPC	A	S	.001	MG/L	12
		 		•••••				
CBU.	TONITRILE							
CRO	USSR	DW	MPC	н	S	.100	MG/L	12
	UJJK	U#			₩)			

	HEMICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	RUDE OIL (HIGH S)	: • • • • • • • • • • • • • • • • • • •		*****	•••••	*****	•••	
	USSR	DW	MPC	A	S	.100	MG/L	12
CI	RUDE OIL (OTHER)							
	USSR	DW	MPC	٨	S	.300	MG/L	12
C	YANAZINE							
21725-46-	-2 EPA	DW	HA LIFE	H	S	46.000		27
			HA LIFE A	H	S	9.000		27
			HA1 C	H	S	. 100		27
			HA10 C	H	S	.100		27
	7020		HALT A	H	S	46.000		27
	*****		HALT C	H	S	13.000		27
	H&U	DW	IMAC	H	S	.010	555 W 557	5
	MOE	DW	IMAC	H	s 	.010	MG/L	1
CY	ANIDE							
	ALALIA	DW	ELLTC	H	P	.010	CONT. SO.	23
	War or		ELSTC	H	P	5.000		23
	EPA	AMBIENT	AUQC	H	S	200.000		9
		DW	HA LIFE	H	S	770.000		7
			HA1 C	H	S	220.000		7 7
			HA10 C	H	S S	220.000		7
			HALT A HALT C	H	S	770.000 220.000		7
	NEW JERSEY	GM	GW1	Ä	S	.200		21
	HEW JERSE!	G	GW2	Â	S	.200	STREET WAS STOLEN	21
			GW3	Â	S		MG/L	21
	NEW YORK	AMBIENT	AUQS	Ĥ	s	100.000		16
		GU	GMQS	ĸ	s	.200		16
	USSR	DW	MPC	H	s		MG/L	12
	WHO	DW	GV	H	s		MG/L	4
CY	ANIDE FREE	••••••	***************************************					
	H&W	DW	MAC	H	s	.200	MG/L	5
	MOE	DU	MAC	H	s	.200	MG/L	1
CY	ANIDES		***************************************					
	EEC	DW	MADC	H	S	50.000	UG/L	6
	USSR	DW	MPC	H	S	.100	MG/L	12
CY	ANURIC ACID				*********			
108-80-5	USSR	DW	MPC	A	S	6.000	MG/L	12

## BORDON PALIS SYSTEM PARAMETER REPORT---10/16/90 BRESERGE

	CHEMICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE		
	•••••	*******	••••			•••••	•••	•••••
110-82-	CYCLOHEXANE 7 USSR	DW	MPC	н	s	.100	MG/L	12
	CYCLOHEXANOL						•••••	
108-93-	0 USSR	DW	MPC	н	s	.500	MG/L	12
	CYCLOHEXANONE	Vocability Co.	Bonsecus		-	•••		48
502-42-	1 USSR	DW	MPC	H 	S	.200	MG/L	12
8	CYCLOHEXANONE OXIME		2000	50000				4.5
	USSR	DW	MPC	H	S	1.000	MG/L	12
	CYCLOHEXENE						505 5W	220
110-83-	8 USSR	DW	MPC	И	S	.020	MG/L	12
	CYCLOHEXYLCHLORIDE			120	1-22			1400
542-18-	7 USSR	DW	MPC	A	. S	.050	MG/L	12
	CYCLONITE					(a)	1984 AVIDO	
121-82-	4 USSR	DW	MPC	H	S	.100	MG/L	12
	CYROMAZINE							
********	NACA	GN	HGL	H	Р	.075	MG/L	22
	DALAPON					E 5 5 5 5		252
75-99-0	EPA	DW	HA LIFE	H	S	2.800		27
			HA LIFE A	H	S	.560		27
			HA1 C	X	S	4.300		27 27
			HA10 C	H	S	4.300 2.800	Denies Anna Marian	27
			HALT A HALT C	, H	S	.800	1850/00/2012/00/250	27
	USSR	DW	MPC	. "A	S	2.000	100000000000000000000000000000000000000	12
	DBCP	•••••					•••••	•••••
96-12-8		DW	HA1 C	н	s	.200	MG/L	7
			HA10 C	A	S	.050		7
	HAMAII	<b>⇔</b>	LTAL	W	P	400.000		19
			LTG	H	P	40.000		19
			STAL	H	P	1,700.000	NG/L	19
	DCPA							
1861-32	-1 EPA	DW	HA LIFE	H	S	17.500	MG/L	27

CHEMICAL		æi						
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
****	*****	******	*****	*****	*****	••••	•••	•••••
DCP		-		The sales	. See Co.	-	T PARTY NAMED IN	
1861-32-1	EPA	DU	HA LIFE A	H	S	3.500	WICCEST CHAN	27
			HA1 C	H	S	75.000		27
			HA10 C	H	S	75.000	5	27
	NACA	GU	HALT C HGL	H	S P	5.000	10100 N.O.	27
	MACA		MOL			5.000	MG/L	22
DDD		•)						
	NEW YORK	AMB I ENT	AWOS	H	S	.010	UG/L	16
	•••••						•••••	••••••
DOE	NEW YORK	AMBIENT	AUOS	н	s	010	UG/L	16
	NEW TURK	APIGIENI		n 		.010		
DOT								
50-29-3	AUALA	DW	ELLTC	H	P	.042	MG/L	23
			ELSTC	H	P	1.400	MG/L	23
	EPA	AMBIENT	AMQC	H	S	.024	NG/L **	9
	HEW	DW	MAC	H	S	.030	MG/L	5
	MOE	DW	MAC	H	S	.030	MG/L	1
	NAS	DW	SNARL CHR	H	S	.083	UG/L **	11
	NEW YORK	AMBIENT	AMQS	н	S	.010	UG/L	16
	USSR	DW	MPC	H	S	.100	MG/L	12
	WHO	DW	GV	H	S	.001	MG/L	4
DOT	AND METABOLITES			••••••				•••••
50-29-3+	NEW JERSEY	GH "	GW1	A	s	.001	UG/L	21
			GM2	A	S		UG/L	21
			GL/3	A	S		UG/L	21
	•••••	• • • • • • • • • • • • • • • • • • • •	•••••					•••••
MANUFACTURE CONTROL TO THE PROPERTY OF THE PRO	ETON							
8065-48-3	USSR	DM	MPC	A	S	.010	MG/L	12
D1/2								
DICA	2-ETHYL HEXYL) EPA	DW	SNAEL	н	s	210	MG/L	10
	Era	UW	SNAEL		<b>.</b>	.210	MG/L	
D1-2	2-ETHYLHEXYL PHTHALATE							
7.	CALIFORNIA ST. DHS	DW	MCL	н	P	4.000	UG/L	31
	EPA	AMBIENT	AMOC	H	S	15.000		9
	NEW YORK	GU	GHQS	Ĥ	S	4.200		16
			•••••		<del>-</del> 			
DI-A	ALLATE							
2303-16-4	USSR	DW	MPC	A	S	.030	MG/L	12

CHEMICAL VALUE UON REFCODE LTYPE STATUS CATEGORY LIMIT CAS# AGENCY . . . . . . . .... ..... DIAZINON AL HA LIFE 14.000 UG/L 3 333-41-5 CALIFORNIA ST. DHS .003 MG/L 27 EPA DW HA LIFE A S .630 UG/L 27 27 HA1 C 2 .020 MG/L .020 MG/L 27 HA10 C S .018 MG/L 27 S HALT A .005 MG/L 27 S HALT C 10 .700 UG/L S SNAEL 5 S .020 MG/L HEL MAC DW 1 .014 MG/L MAC MOE DW .020 MG/L 22 MGI NACA GMQS 16 NEW YORK DIBROMOCHLOROPROPANE 3 .001 MG/L CALIFORNIA ST. DHS S DW .200 UG/L 34 MCL P .000 MG/L 8 MCLG DIBUTYL PHTHALATE 9 35.000 MG/L AUGC 84-74-2 EPA AMRIENT S 38.500 UG/L 10 SNAEL DU DIBUTYL TIN CHLORIDE .002 MG/L 12 MPC 2 DIBUTYLTIN DILAURATE .100 MG/L 12 S DICAMBA 27 46.000 UG/L MA LIFE 1918-00-9 EPA DU 9.000 UG/L 27 MA LIFE A .300 MG/L 27 HA1 C 2 .300 MG/L 27 H S HA10 C 27 50.000 UG/L H S HALT A 13.000 UG/L 27 HALT C H S 10 .440 UG/L SNAEL S 5 .120 MG/L MAC HEL .120 MG/L 1 NOE MAC 16 NEW YORK GHQS DICHLONE 12 .250 MG/L DW MPC S 117-80-6 USSR

	MICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOH	REFCODE
	HLOROANILINE(2,5)			••••			•••	******
95-82-9	USSR	DW	MPC	A	s	.050	MG/L	12
DIC	HLOROANILINE(3,4)	•		*********			******	
95-76-1	USSR	DW	MPC	A	S	.050	MG/L	12
DIC	HLOROBENZENE(1,2)			74 54 54 54				
95-50-1	CALIFORNIA ST. DHS	DW	AL	A	S	10.000		
				H	S	130.000		
	EPA	DW	HA LIFE	H	S	3.130		
			HA LIFE A	Н	S	620.000		
			HA1 C	H	S	8.930	200000000000000000000000000000000000000	
			HA10 C	H	S	8.930		
			HALT A	H.	S	31.250		
			HALT C	н	S	8.930	10.00	
			MCL	H	P	.600	NACOCIA CATO	3
			MCLG	H	P	.620		
	NAME OF THE OWNER OWNER OF THE OWNER OWNE		SMCL	A	P	.010	20	3
	H&W	DW .	AO	A	S	.003		
			MAC	H	S	.200	MG/L	(
	MOE	DW	AO .	A	S	.003	MG/L	
			MAC	H	S	.200	MG/L	
	USSR	DW	MPC	A	S	.002	MG/L	1;
DICH	ILOROBENZENE(1,3)							
541-73-1	CALIFORNIA ST. DHS	DW	AL	A	S	20.000	UG/L	
				н	S	130.000	UG/L	
	EPA	DW	HA LIFE	н	S	3.750	MG/L	
			HA LIFE A	н	S	620.000	UG/L	
			HA1 C	H	S	8.930	MG/L	
			HA10 C	H	s	8.930	MG/L	
			MALT A	M	S	31.250	MG/L	
	20		MALT C	н	S	8.930		
	NEW YORK	AMBIENT	AWQS	H	S	20.000	40 14 0	1
DICH	LOROBENZENE(1,4)		•••••		•••••			• • • • • • • • • •
106-46-7	CALIFORNIA ST. DHS	DW	AL	A	s	.300	UG/L	
		>-AUT-01	10.000	Ä	S	130,000	100 to 10	
	EPA	DW	HA LIFE	 H	S	3.750		
		(E.W)	HA LIFE A	H	s	.075		3 9 9
			HA1 C		S	10.700		
			HA10 C	H	2	10.700	5 5	,
			MATUL	n	N <b>a</b> l	10.700	MU/L	

CHEMICAL REFCODE LTYPE STATUS VALUE UOM AGENCY CATEGORY LIMIT ...... .... -----DICHLOROSENZENE(1,4) 7 37.500 MG/L 106-46-7 EPA HALT A DU 7 10.700 MG/L HALT C S 75.000 UG/L 20 MCL S 750.000 UG/L 8 S MCLG .005 MG/L P SHCL .001 MG/L 5 S HEW DW AO 5 MAC S .005 MG/L MOE AO S .001 MG/L 1 DU MAC S .005 MG/L 1 S 30.000 UG/L 16 MEM YORK AMBIENT AUQS .002 MG/L 12 USSR MOC DICHLOROBENZENES 400.000 UG/L AUQC H S AMBIENT DICHLOROBENZIDINE .010 UG/L \*\* AMBIENT AUQC DICHLOROBUTENE MPC .050 MG/L 12 A S LISSE DU DICHLOROCYCLOHEXANE .020 MG/L MPC A S USSR DICHLOROETHANE 2.000 MG/L 12 A S USSR MPC DICHLOROETHANE(1,2) 3 1.000 UG/L 107-06-2 CALIFORNIA ST. DHS AL 5.000 UG/L 31 HCL H .940 UG/L \*\* 9 S AUQC EPA AMBIENT 7 740.000 UG/L HA1 C S 740.000 UG/L 7 HA10 C H S 2,600.000 UG/L 7 HALT A 5 740.000 UG/L 7 HALT C 5 5.000 UG/L MCL H S .000 UG/L MCLG S 3.000 UG/L FLORIDA ST. DU MCL .005 MG/L DW S HEW IMAC .005 MG/L 1 MOE DW MAC H S 1.420 UG/L \*\* 11 NAS DW SMARL CHR H S

### SHERRES PALIS SYSTEM PARAMETER REPORT---10/16/90

CHEM	ICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCO
		•••••	••••	*****		*****		
	LOROETHANE(1,2)	AMOTENT	ALMC			.800	11071	
107-06-2	NEW YORK	AMBIENT Du	AMQS GV		S	10.000	11/04/2019/19/19	
	MINO	D#	wv	n 				
DICH	LOROETHYLENE(1,1)			8				
75-35-4	CALIFORNIA ST. DHS	DW	AL	H	\$	. 100	UG/L	
	EPA	DW	HA LIFE	H	S	350.000	V. 500 THE STATE OF	
			HA LIFE A	H	S	7.000		
			HA1 C	ĸ	S	2,000.000		
			HA10 C	H	S	1,000.000		
			HALT A	H	S	3,500.000		
			HALT C	H	S	1,000.000		
			MCL	H	S	7.000	UG/L	
			MCLG	н	S	7.000	UG/L	
198 0 0	MHO	DW	GV	H	S	.300	UG/L	
DICH	LOROETHYLENE(1,2-CIS)							
56-59-2	CALIFORNIA ST. DHS	DW	MCL	н	P	6.000	UG/L	
	EPA	DW	HA LIFE	N	S	.350	MG/L	
			HA LIFE A	H	S	70.000		
		580	HA1 C	н	S	4.000	MG/L	
			HA10 C	н	S	1.000	MG/L	
			HALT A	H	S	3.500	MG/L	
			HALT C	H	S	1.000	MG/L	
			MCL	H	P	.070	MG/L	
			MCLG	Н	P	.070	MG/L	
nicu	LOROETHYLENE(1,2-TRANS)							
56-60-5	CALIFORNIA ST.DHS	DW	MCL	H	P	10,000	UG/L	
	EPA	DW	HA LIFE	H	S	350.000	UG/L	
			HA LIFE A	N	S	70.000	UG/L	
			MA1 C	H	S	20,000.000	UG/L	
			NATO C	H	S	1,430.000	UG/L	
			HALT A	H	S	5,000.000	UG/L	
			HALT C	H	S	1,430.000	UG/L	
			MCL	H	P	.070	MG/L	
			MCLG	H	P	.070	MG/L	
nicu	LOROETHYLENES		•••••					•••••
DICH	EPA	AMBIENT	AWQC	н	s	.033	UG/L **	
•••••	••••••	•••••						
DICH	LOROHYDRIN	<b></b>	***			4 000	MC //	
	USSR	DW	MPC	A	S	1.000	Mu/L	

CHEMICAL CATEGORY LIMIT LTYPE STATUS REFCODE CAS# AGENCY .... ..... ...... DICHLOROPHENOL .002 MG/L 12 DICHLOROPHENOL(2,4) 3.090 MG/L 120-83-2 EPA AMBIENT AUGC 9 S .300 UG/L 5 HEL DW AO A .900 MG/L S MAC AO .300 UG/L A S 1 MOE DW .900 MG/L 1 H S MAC .300 UG/L S 16 NEW YORK AMBIENT AUGS DICHLOROPROPANE(1,2) 10.000 UG/L 3 78-87-5 CALIFORNIA ST. DHS DW S 5.000 UG/L MCL P 31 90.000 UG/L 7 HA10 C 5 EPA DW .005 MG/L 34 MCL .006 MG/L 8 MCLG SMCL .005 MG/L 34 DICHLOROPROPENE 87.000 UG/L AMBIENT AUQC H S DICHLOROPROPENE(1,3) 27 11.000 UG/L 542-75-6 EPA HA LIFE S 30.000 UG/L 27 HA1 C H S 30.000 UG/L 27 MA10 C S H S 105.000 UG/L 27 HALT A H S H 30.000 UG/L 27 HALT C DICHLOROVINYL DIMETHYL PHOSPHATE 1.000 MG/L MPC DICLOFOP-METHYL 5 .009 MG/L HEU MAC DW MAC MOE DW DICYANODIAMIDE A S 10.000 MG/L 12 MPC 461-58-5 USSR DW DIELDRIN .017 MG/L 60-57-1 AWA ELLTC 23 DW

ELSTC

.050 MG/L

23

	CHEHICA	<b>16</b>							
CAS#	******		CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
			•••••	••••	••••	•••••	••••	•••	•••••
	DIELDRI	N							
60-57-		CALIFORNIA ST. DHS	DW	AL	H	S	.050		3
		EPA	AMBIENT	AUQC	H	S		NG/L **	9
			DW	HA LIFE	H	S	1.750	UG/L	27
				HA1 C		S	.500	UG/L	61
				HA10 C			.500		27
					H		.500		27
		NAS	DW	SMARL CHR	H	\$	3.840	NG/L	11
	DIETHAN	OLAMINE	••••••	•••••					
		USSR	DW	MPC	A	S	.800	MG/L	12
••••••	DIETHYL	ETHER	•••••						
60-29-	7		DY	SG	A	P	.300	MG/L	15
		USSR	DW	MPC	A	S	.300	MG/L	12
		ETHER MALEATE							•••••
		USSR	DW	MPC	H	s	1.000	MG/L	12
		4754E1740E1							
	DIETHYL	MERCURY					XE		
		USSR	DW	MPC	H	S	.100	UG/L	12
	DIETHYL	PHOSPHORODITHOIC ACI	D						
		USSR	DW	MPC	A	S	.200	MG/L	12
	DIETHYL	PHTHALATE	•••••						
	2		AMBIENT	AWQC	H	S	350.000	MG/L	9
		vitela a nomen en e	•••••		•••••			••••••	•••••
100.80	DIETHYL -7		DM		746	2	2 000	MA //	12
109-09	-,	USSK	W	MPC	H	S	2.000	MG/L	12
	DIFTHY	ENEGLYCOL		•••••					
	-6		DW	MPC	н	s	1.000	MG/L	12
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	••••	•••••	•••••	••••••		•••••	
	DIETHYL	TIN DICAPRYLATE							
		USSR	DW	MPC	H	S	.010	MG/L	12
	DIISOBU	TYLAMINE	•••••	•••••	• • • • • • •				
		USSR	DW	MPC	A	S	.070	MG/L	12
		OPYLAMINE	1 mars 1		1921	_		***	
108-18-	-9	USSR	DW	MPC	H	S	.500	MG/L	12

CHEMICAL AGENCY CATEGORY LIMIT LTYPE STATUS VALUE UOM REFCODE CAS# ..... ...... DIISOPROPYLBENZENE (PARA) .050 MG/L DIKOTEX 12 .250 MG/L MPC A S USSR DW DIMETHOATE .140 MG/L 3 60-51-5 н CALIFORNIA ST. DHS DW AL IMAC .020 MG/L 5 HEL DW .020 MG/L IMAC MOE 27 10.500 MG/L 67239-16-1 EPA HA LIFE S 2.100 MG/L 27 HA LIFE A S 12.000 MG/L 27 HA1 C S 27 12.000 MG/L HA10 C 42.000 MG/L 27 HALT A 27 12.000 MG/L HALT C DIMETHYL PHENOL(2,4) .400 MG/L 3 105-67-9 CALIFORNIA ST. DHS DW AL H S DIMETHYL PHTHALATE 313.000 MG/L AUQC H S 131-11-3 EPA AMSIENT DIMETHYL TEREPHTHALATE 1.500 MG/L 12 MPC A DU USSR DIMETHYLAMINE .100 MG/L S MPC 124-40-3 USSR DIMETHYLDIOXANE 12 .005 MG/L DIMETHYLDITHIOCARBAMATE 12 MPC H S DIMETHYLDITHIOPHOSPHORIC ACID LISSE DIMETHYLPHENYLCARBINOL MPC H S .050 MG/L 12

	CHEMIC								
CAS#		AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	A		•••••	•••••	••••	•••••			••••••
~*****	DINITE	O-O-CRESOL(2,4) EPA	AMBIENT	AMQC	н	s	13.400	UG/L	9
	DINITE	ROBENZENE							
		USSR	DW	MPC **	Α	S	.500	MG/L	12
	DINITE	ROCHLOROBENZENE							
		USSR	DW	MPC	A	S	.500	MG/L	12
	DINITE	CONAPHTHALENE					• • • • • • • • • • • • • • • • • • • •		
2022777	9	USSR	DW	MPC	A	S	1.000	MG/L	12
	DINITE	OPHENOL		ά.					
20 E S S S S S S S S S S S S S S S S S S		NIOSH	DW	SMARL CHR	H	S	.110	MG/L	24
	DINITE	OPHENOL(2,4)							
51-28-	5	USSR	DW	MPC	H	S	.030	MG/L	12
	DINITE	OPHENOLS							
TEATING A MISSION OF ECONOMISS		EPA	AMBIENT	AWOC	H	S	70.000	UG/L	9
	DINITE	OTOLUENE(2,4)	•						
		EPA	AMBIENT	AUQC	H	S	.110	UG/L	•• 9
	DINOSE	8	• • • • • • • • • • • • • • • • • • • •						•••••
88-85-	7	EPA	DW	HA LIFE	н	S	35.000	UG/L	27
				HA LIFE A	н	S	7.000	ACCOUNT NOW	27
				HA1 C	H	S	.300		27
				HA10 C	н	S	.300	Harrison Co.	27
				HALT A	H	S	35.000		27
				HALT C	Н	s	10.000	UG/L	27
	DIOXAN	E(PARA)							
		EPA	DW	HA1 C	н	S	4.120	MG/L	7
				HA10 C	H	S	.412	MG/L	7
	DIOXIN	(D2CD0)							
		MOE	DW	IMAC	н	P	15,000.000	PG/L	++ . 18
	DIOXIN	(H6CDO)							
		MOE	DW	IMAC	H	P	150.000	PG/L	++ 18

CHEMICAL LTYPE STATUS REFCODE LIMIT CAS# CATEGORY DIOXIN(H7CDD) 1,500.000 PG/L ++ IMAC DIOXIN(M1CDO) W P 150,000.000 PG/L ++ 18 INAC DIOXIN(OSCOD) 18 150,000.000 PG/L ++ P DIOXIN(P5CDD) 150.000 PG/L ++ 18 IMAC MOF DIOXIN(T3CDD) 1,500.000 PG/L ++ 18 IMAC MOE DIOXIN(T4CDO) 18 1,500.000 PG/L ++ IMAC H P DIOXIN(T4CDD-2,3,7,8) .010 PG/L \*\* 9 1746-01-6 EPA AMBIENT AUGC S S .035 NG/L 7 DWEL 7 HA1 C 1.000 NG/L 7 HA10 C S .100 NG/L 7 .035 NG/L HALT A S 7 HALT C S .010 NG/L 18 15.000 PG/L ++ MOE IMAC .035 NG/L 16 NEW YORK CUQS DIOXIN(TCOD) 10 .035 NG/L SMAEL .040 MG/L 3 957-51-7 CALIFORNIA ST. DHS NA LIFE 1.000 MG/L 27 DW EPA 27 .200 MG/L HA LIFE A 27 .300 MG/L HA1 C 27 MA10 C .300 HALT C 27 DIPHENYLHYDRAZINE 42.000 NG/L \*\* AUQC 122-66-7 EPA AMBIENT H S

CHEM								
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	LICH	REFCODE
****			••••					
DIPH	ENYLOLPROPANE							
	USSR	DW	MPC	A	S	.010	MG/L	12
•••••	• • • • • • • • • • • • • • • • • • • •	••••••	• • • • • • • • • • • • • • • • • • • •					
	OPYLAMINE							
142-84-7	USSR	DW	MPC	A	s	.500	MG/L	12
••••••	•••••		••••••		•••••			•••••
DIQU								
85-00-7		DW	MAC	H	S	27582528	MG/L	5
	MOE	DW	MAC	H	S	.070	MG/L	1
DIQU.	AT DIBROMIDE	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••				
0190	NACA	GW	HGL		P	050	MG/L	22
		GW .	nuL	H	<i>.</i>	.050	MG/L	
DISO	JUM MONOALKYLSULF	FOSUCCINATE						
	USSR	DW	MPC	A	S	.500	MG/L	12
					- 			
DISUL	FOTON							
298-04-4	EPA	DW	HA LIFE	н	S	1.000	UG/L	27
			. HA LIFE A	н	S	.300	UG/L	27
			HA1 C	H	S	10.000	UG/L	27
			HA10 C	н	S	10.000	UG/L	27
			HALT A	н	S	9.000	UG/L	27
			HALT C	H	S	3.000		
			SNAEL	H	S	.035		10
	NACA	GH.	HGL	H	P	.025	MG/L	22
B1704								
. DITHA	NEW YORK	201		1025	_			**
	NEW YURK	eu Cu	GUQS	N	\$	1.750	UG/L	16
DIURO	<b>w</b>							
330-54-1		DW	HA LIFE	н	s	.070	MG/I	27
		1.62.50	HA LIFE A	Ä	S	.014		27
			HA1 C	H	S	1.000		27
			HA10 C	H	S	1.000	11 1755-528-11 (54111)	27
			HALT A	H	s	.880		27
			HALT C	H	s	.250		27
	HEW	DW	MAC	H	S	.150		5
	MOE	DW	MAC	H	s	. 150		1
	NACA	GW	HGL	H	P	.063	20 20 00 00 00 00 00 00 00 00 00 00 00 0	22
	USSR	DW	MPC	A	s	1.000	MG/L	12
	••••••	• • • • • • • • • • • • • • • • • • • •			•••••			
DRY R	ESIDUE							
	EEC	DW	MADC	A	S	1,500.000	MG/L	6
	•••••				• • • • • • • • • • •			

CHEN	IICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	LION	REFCODE
		•••••				*****		
DYP	YLLINE							
479-18-5	NEW YORK	AMBIENT	AUQS	С	S	50.000	UG/L	16
ENDO	SULFAN							
115-29-7	EPA	AMB I ENT	AUQC	H	S	74.000	UG/L	9
	NACA	GN CN	HGL	H	P	.075	MG/L	22
	•••••	••••••		•••••	•••••			•••••
	THALL				10000			
145-73-3	EPA	DW	WA LIFE	H	S	.700	000000000000000000000000000000000000000	27
			MA LIFE A	H	S	.140		27
			HA1 C		S	.800		27
			HA10 C	<b>X</b>			MG/L	27
			HALT C	N	S	.200	MG/L	27
ENDR	IN							
72-20-8	ALAJA	DW	ELLTC	H	P	.001	MG/L	23
		90	ELSTC	H	P	.010	MG/L	23
	EPA	AMB I ENT	AWQC		S	1.000	SECTION SECTION	9
		DW	HA LIFE	н	S	1.600	UG/L	7
			HA LIFE A	H	S	.320		7
			HA1 C	H	S	20.000	CONCORDE CONTROL	7
			HA10 C	H	S	5.000	PRESIDENCE:	7
			HALT A	H	S	16.000		7
			HALT C	H	S	4.500		7
		Market 27	MCL		S	.200	OBVIDE IIIA	28
	FLORIDA ST.	DV	MCL	H	S	.200		2
	NOE	DW	MAC	W	S	.200	SALES IT LEAVE	. 1
	NEW JERSEY	GU	GV1	A .	S	.004		21
			GM2	A	2		UG/L	21
	MPI MARK		GLG.	Α	S		UG/L	21
	NEW YORK	AMB I ENT	AUQS	H	S		UG/L	16
		DV	MCL		S	.200	UG/L	25
EPIC	HLOROHYDRIN			•••••				
106-89-8	EPA	DW	DWEL	H	S	.070	MG/L	7
			HA1 C	H	S	. 140	MG/L	7
			HA10 C	H	S	. 140	MG/L	7
			HALT A	H	S	.076	MG/L	7
			MCLG	H	P	.000	MG/L	8
	USSR	DW	MPC	H	S	.010	MG/L	12
ETHA	LFLURALIN	*****************				• • • • • • • • • • • • • • • • • • • •		
	NACA	GJ	HGL	н	P	3.750	MG/L	22
			(C-1-7-7-7)	9255			4-T000000000000000000000000000000000000	2-025

	CHEMIC								
CAS#		AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE		REFCODE
		SUL FONATE USSR	DW	MPC	A	s	.200	MG/L	12
	ETHION	· • • • • • • • • • • • • • • • • • • •	••••••						••••••
563-12-		CALIFORNIA ST. DHS	DW	AL.	H	S	.035	MG/L	3
		NACA	en.	HGL	н	P		MG/L	22
		ACRYLATE							
140-88-	5	USSR	DW	MPC	A	S	.005	MG/L	12
	ETHYL	BENZENE				********	***********	******	• • • • • • • • • •
100-41-	4	EPA	AMBIENT	AUQC	H	S	1.400		9
			DW	HA LIFE	H	S	3,400.000	UG/L	7
			*	HA LIFE A	н	S	680.000		7
				HA1 C	H	S	32,000.000	UG/L	7
				HA10 C	н	S	3,200.000	UG/L	7
				HALT C	н	S	.970		7
				MCL	н	P	.700	MG/L	34
				MCLG	н	P	.680	MG/L	8
				SMCL	<b>A</b>	P	.030	MG/L	34
		H&U	DW	AO	A	S	2.400	UG/L	5
		MOE	DW	AO	н	S	2.400	UG/L	1
		USSR	DW	MPC	A	S	.010	UG/L	12
	ETHYLA	MINE	*	***************************************					
75-04-7		USSR	DW	MPC	A	S	.500	MG/L	12
E	ETHYLEI	NE				• • • • • • • • • • • • • • • • • • • •	•••••	*******	• • • • • • • • • • • • • • • • • • • •
74-85-1		USSR	DM	MPC	A	S	.500	MG/L	12
	ETHYLE	NE CHLOROHYDRIN		• • • • • • • • • • • • • • • • • • • •	••••••				
107-07-3	3	AVAIA	DW	ELSTC	H	P	2.000	MG/L	23
		NE DIBROMIDE		• • • • • • • • • • • • • • • • • • • •	********				
		CALIFORNIA ST. DHS	DW	AL	H	S	.050	UG/L	3
		EPA	DW	HA1 C	H	S	5.00	MG/L	7
		veco-sed	200 (TA)	HA10 C	H	S	.008		7
				MCL	H	P	.050		34
				MCLG	н	P	.000		8
		FLORIDA ST.	DW	MCL		s		UG/L	2
		HAWAII	GW	LTAL	H	P	20.000		19
		the control is a second of the Control of the Contr	personal res	LTG	н	P	2.000		19

	4ICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
FTHY	YLENE DIBROMIDE	*******	****				•••	
106-93-4		GN .	STAL	н	P	85.000	NG/L	19
ETH	YLENE GLYCOL							*******
107-21-1	EPA	DW	DWEL	H	S	35,000.000	UG/L	7
			HA LIFE A	M	S	7,000.000		7
			HA1 C	H	S	19,000.000		7
*			HA10 C	M	S	5,500.000		7
			HALT A	H	S	19,250.000		7
			HALT C	H	S	5,500.000		7
•••••	USSR	DW	MPC	Н	S	1.000	MG/L	12
	YLENE THIOUREA							250
96-45-7	EPA	DW	HA LIFE	H	S	1.050		27
			HA1 C	H	S	.250		27
			HA10 C	H	S	.250		27
			HALT A		S	.440		27
			HALT C		<b>S</b>	رم	MG/L	27
ETHY	YLMERCURIC CHLORIDE							
107-27-7	USSR	DW	MPC	Н	S	.100	UG/L	12
FEC	AL COLIFORMS							
	EEC	DW	MADC	H	S		COUNT/ML	
	HEW	DW	MAC	. н	S	.000	COUNT/ML	28
FEC	AL STREPTOCOCCI							
	EEC	DW	MADC	H	S	.000	COUNT/ML	
FENA	MIPHOS							
22224-92-6	EPA	DW	HA LIFE	H	S	9.000	UG/L	27
			HA LIFE A	•	S	1.800	UG/L	27
			HA1 C	H	S	9.000		27
			HA10 C	H	S	9.000	UG/L	27
			HALT A	H	S	18.000	CONTRACTOR OF THE PARTY OF THE	27
			HALT C	H	S	5.000	200000000000000000000000000000000000000	27
	NACA	cu Cu	HGL	H	Р	.025	MG/L	22
FENS	SULFOTHION			- 100 m m m m m m m m m m m m m m m m m m		semezek Tetalike Totl Bid. Tet. Te	15 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16	
115-90-2	NACA	GH.	HGL	H	P	.018	MG/L	22
FENT	THION							
55-38-9	VIII VIII VIII VIII VIII VIII VIII VII	GH	HGL	H	P	.075	MG/L	22

	HEMICAL	k						
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	ERBAM	*******	<b>* • (* •</b> )	*****	•••••	••••		
	NEW YORK	GU .	GNOS	H	S	4.180	UG/L	16
F	ERROCYANIDES							
	USSR	DW	MPC	Н	s 	1.250	MG/L	12
F	LUCHLORALIN				727		1225012	-
	NACA	GW	HGL	н	P 	.030	MG/L	22
	LUOMETURON							
2164-17-	2 EPA	DW	HA LIFE	н	S	.438		27
			HA LIFE A	H	S	.090		27
			HA1 C	H	S	1.500	V-17-17-17-17-17-17-17-17-17-17-17-17-17-	27
			HA10 C	ĸ	S	1.500		27
		(40)	HALT A		S	5.300	-m-771-n	27
			HALT C	н	8	1.500	MG/L	27
F	LUORANTHENE							
206-44-0	EPA	AMBIENT	AUQC	H	s	42.000	UG/L	9
F	LUORIDE							
	EEC	DW	MADC	A	S	700.000		6
	EPA	DW	MCL	н	S	4.000	MG/L	28
			SMCL	A	S	2.000		28
	H&U	DW	MAC	H	S	1.500	MG/L	5
	MOE	DW	MAC	H	S	1.500	MG/L	1
	NEW JERSEY	GW	GU1	A	S	2.000	MG/L	21
			GW2	A	S	2.000	MG/L	21
			GL/3	A	S	2.000	MG/L	21
	NEW YORK	AMBIENT	AUQS	H	S	1,500.000	UG/L	16
		DW	MCL	H	S	2.200	200000000000000000000000000000000000000	25
		GW	GMQS	N	S	1.500	MG/L	16
	USSR	DW	MPC	H	S	1.500		12
	WHO	DW	GV	H	S	1.500	MG/L	4
FL	UORINE							
7782-41-4	USSR	DW	MPC	н	S	1.500	MG/L	12
FC	DAMING AGENTS	••••••						
	EPA	DW	SMCL	A	s	.500	MG/L	28
	NEW JERSEY	GW	GU1	A	s		MG/L	21
		(A) - 4000A	GW2	Ā	S		MG/L	21
					*	.500	/ L	• 1

CHEM		o.						
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCOD
••••		•••••	••••		•••••		•••	
FOAN	ING AGENTS	-20%		100				
	NEW JERSEY NEW YORK	GL GL	GM3 GMOS	A	S		MG/L MG/L	2
		GW	UM/3		•	.500	MG/L	
FOLP								
133-07-3	The state of the s	DW	SHAEL	N	\$		MG/L	1
	NEW YORK	GW	GWQS	H	S	56.000	UG/L	1
FONO	FOS	***************************************		••••••	••••••			*******
944-22-9	EPA	DW	HA LIFE	H	S	70.000	UG/L	2
			HA LIFE A	н.	S	14.000	UG/L	2
			HA1 C	н	S	20.000	UG/L	2
			HA10 C	н	S	20.000	UG/L	2
			HALT A	н	S	70.000	UG/L	2
			HALT C	W	S	20.000	UG/L	2
EODM	ALDEHYDE							•••••
50-00-0		DW	MPC	н	s	.500	MG/L	1
110-00-9	276	DW	MPC	ж	S	200	MG/L	1
	•••••	·······						••••••
FURAN	N(D2CDF)	9250	antition Co				7233 D	2
	MOE	DW	IMAC	н	P	150,000.000	PG/L ↔	1
FURAN	(H6CDF)							
	MOE	DW	IMAC	M	P	150.000	PG/L ↔	4
FURAN	(H7CDF)							
	MOE	DW	IMAC	H	P	1,500.000	PG/L ++	1
ELIDAN	(M1CDF)	••••••						••••••
PURAR	MOE	DW	IMAC	н	P	150,000.000	PG/L ++	. 4
**********		••••••	•••••	•••••	••••••			
FURAN	I(OSCDF) MOE	DW	IMAC	н	P	150,000.000	PG/1 ++	g 8
		•••••						
FURAN	I(P5CDF)						520520000	
	MOE	DW	INAC	н	P	30.000	PG/L ↔	9
FURAN	I(T3CDF)							
	NOE	DW	IMAC	н	P	1,500.000	PG/L ++	• •

	CHEMI	···							
CAS#		AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	LION	REFCODE
••••		•••••	•••••	****			*****		
	FURAN	(T4CDF)							
		MOE	DW	IMAC	н	P	30.000	PG/L ++	18
*******	FURFU	••••••••••••••••••••••••••••••••••••••	••••••				••••••	•••••	•••••
		USSR	DW	MPC	A	S	1.000	MG/L	12
	GLYPH	·····	•••••		•••••	•••••	••••••••	******	••••••
1071-8	3-6	30.00 J. 3131. <del>113</del> .1	DW	MCL	н	P	700.000	HC/I	31
	<b>3</b> 0 <b>3</b> 0	EPA	DW	NA LIFE	H	s	3.500		27
		30 Mil	1.55/56	HA LIFE A	H	S	.700		27
				HA1 C	10:50	S	17.500		27
				HA10 C		S	17.500	STATE OF THE STATE	27
	87	H&W	DW	INAC	н	S	.280		5
		MOE	DW	IMAC	H	S	.280		1
•••••		• • • • • • • • • • • • • • • • • • • •	•••••						•••••
	GROSS	ALPHA RADIATION							
		EPA	DW	MCL	H	S	15.000	PCI/L	28
			AMBIENT	AWQS	H	S	15.000	PCI/L	16
••••••			••••••	• • • • • • • • • • • • • • • • • • • •	••••••	• • • • • • • • • • • • • • • • • • • •		•••••	•••••
	GROSS	BETA RADIATION	//4/4/4/4/1/4/ABA//ABA//ABA						
		NEW YORK	AMBIENT	AUQS	H	S	1,000.000	PCI/L	16
	HAI OME	THANES	•••••••	•••••••					
	HALUME	NO CONTROL CON	AMBIENT	AUQC		s			•
			MUDICA!	AMIL	п	3	. 190	UG/L **	9
	HCB								
		EPA	DW	SNAEL	H	s	350	UG/L	10
•••••				•••••					
	HEPTAC	CHLOR							
76-44-8	В	ALAJA	DW	ELLTC	H	P	.018	MG/L	23
				ELSTC	H	P	.100	MG/L	23
	167	CALIFORNIA ST. DHS	DU	AL	ĸ	S	.020	UG/L	3
		EPA	AMBIENT	AUGC	H	S	.280	NG/L **	9
			DW	DWEL	H	S	17.500	UG/L	7
				HA1 C	H	S	.010	MG/L	7
				HA10 C	H	s	.010	MG/L	7
				HALT C	*	s	1.500	UG/L	7
				MCL	H	P	.400	UG/L	34
				MCLG	H	P	.000	MG/L	8
		USSR	DW	MPC	H	S	.050	MG/L	12
		WHO	DW	GV	H	S	.100	UG/L	4
•••••		••••••			•••••				

CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	HON	REFCODE
					•••••	•••••	•••	
HEPTA	ACHLOR & HEPTACHLOR EPO	XIDE						
76-44-8+HE	CALIFORNIA ST. DHS	DW	NCL	H	P	.010	UG/L	31
	HEW	DW	MAC	H	S	.003	MG/L	5
	MOE	DW	MC	H	S	.003	MG/L	1
	NEW YORK	AMBIENT	AVQS	H	S	.009	UG/L	16
	WHO	DW	GV	H	S	. 100	UG/L	4
							• • • • • • • • • • • • • • • • • • • •	
	ACHLOR EPOXIDE					72.75		
1042-57-3	ALAKA	DW	ELLTC	н	P		MG/L	23
			ELSTC	н	P		MG/L	23
	CALIFORNIA ST. DHS	DW	AL	н	S		UG/L	3
	EPA	DW	DUEL	н	S	.400	100000000000000000000000000000000000000	7
			HA1 C	н	S		MG/L	7
			HA10 C	н	S		MG/L	7
			HALT C	н	S	1.500		7
			MCL	н	P	.200	UG/L	34
			MCLG	N	P	.000	MG/L	8
MEPT	IL ALCOHOL	DW	MPC	н	s	005	MG/L	12
	USSR	UW						
HEXAC	CHLORANE							
	USSR	DW	MPC	A	S	.020	MG/L	12
	CHLOROBENZENE					200		
118-74-1	EPA	AMBIENT	AWQC	H	S	.720	NG/L **	
		DW	DWEL	H	S	28.000	UG/L	7
			HA1 C	H	S	50.000	UG/L	7
			HA10 C	H	S	50.000	UG/L	7
			HALT A	W	S	175.000		7
			MALT C	*	S	50.000		7
	NEW YORK	en en	GMQS	ĸ	S		UG/L	16
	USSR	DM	MPC	H	S	.050	MG/L	12
	UHO	DI	GV	H	S	.010	UG/L	4
		***************						
	CHLOROBUTADIENE	AMOTEUT	ALMO	H	s	450	UG/L **	, 9
87-68-3	EPA	AMBIENT	AUQC -	345	S	.500	UG/L	16 -
	NEW YORK	AMB I ENT	AUGS	H	S	.010		12
	USSR	DW	MPC					
UEVAR	CHLOROBUTANE							
HEAAL	USSR	DW	MPC	A	S	.010	MG/L	12

	HICAL							
CAS#		CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOH	REFCODE
••••	*****		****	•••••	•••••			•••••
0.00000	ACHLOROCYCLOPENTAD I EN	₹						
77-47-4	10-201-0-201	AMBIENT	AUQC	H	S	206.000		9
	NEW YORK	AMBIENT	AUQS			1.000		16
	USSR	DW	MPC	Α	s 	.001	MG/L	12
HEX	ACHLOROETHANE							
67-72-1	EPA	AMBIENT	AUQC	H	S	1.900	UG/L	9
	USSR	DW	MPC	A	S	.010	MG/L	12
HEXA	ACHLOROPHENE							
70-30-4	EPA	DW	SNAEL	H	S	.350	UG/L	10
	NEW YORK	GL	GUOS	H	S	7.000	UG/L	16
HEX	AMETHYLENE DIAMINE					• • • • • • • • • • • • • • • • • • • •		••••••
124-09-4		DW	MPC	H	S	.010	MG/L	12
uev.	ANATE			********				
440-44	USSR	DW	MPC	н	S	5.000	MG/L	12
					•••••	• • • • • • • • • • • • • • • • • • • •	•••••	
	ANE							
110-54-3	EPA	DW	HA1 C	H	S	13.000	Victoria de la companya del la companya de la compa	7
			HA10 C	H	S	4.000		7
			HALT A		S	14.000		7
			HALT C	Н	S	4.000	MG/L	7
HEXA	AZINONE							
51235-04-2	EPA	DW	HA LIFE	н	S	1.050	MG/L	27
			HA LIFE A	H	S	.210	MG/L	27
			HA1 C	H	S	2.500	MG/L	27
			HA10 C	H	S	2.500	MG/L	27
			HALT A	H	S	8.750	MG/L	27
			HALT C	H	S	2.500	MG/L	27
	NACA	GJ	HGL	н	P	.125	MG/L	22
HYDE	RAZINE							
302-01-2	USSR	DW	MPC	H	S	.010	MG/L	12
					••••••			
123-31-9	ROQUINONE USSR	DW	MPC	A	S	200	UG/L	. 12
	ugan 				• • • • • • • • • • • • • • • • • • • •			
1001	INE-131							2004
	HEW	DW	MAC	н	S	10.000	BECQ/L	5

CHEM	ICAL	8						
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	NE - 131	•••••		••••	•••••	••••	•••	•••••
1001	MOE	DW	MAC	N	s	10.000	BECQ/L	1
IRON		• • • • • • • • • • • • • • • • • • • •					********	
7439-89-6	EEC	DW	GL	A	S	50.000	UG/L	6
			MADC	A	S	200.000		6
	EPA	AMBIENT	AWQC	K	S	.300		9
		DW	SHCL	A	S	.300		28
	H <del>LU</del>	DW	AO .	A	S	.300	secondary and	5
	MOE	DW	MDC	A	S	.300		1
	NEW JERSEY	GN	GW1	A	S	.300		21
			GH2	A	S	.300		21
			GLIS	A	S		MG/L	21
	NEW YORK	AMBIENT	AUQS	H	S	300.000	NEW YORK	16
		DW	MCL	H	S	.300		25
	USSR	GM DM	GUQS	H	S	.300		16
	022K	DW	MPC	A	S	.500		12
	WHO	DW	GV	H	S S	.500		12 4
**********	wny	D#	UV		•	.300	MG/L	
I SOB	UTYLENE							
115-11-7		DW	MPC	٨	s	.500	MG/L	12
Isoc	ROTONITRILE							
1300	USSR	DW	MPC			100	MG/L	12
	• • • • • • • • • • • • • • • • • • • •						MU/L	
ISOFI	ENPHOS							
2 526 3	NACA	GN	HGL	H	P	.050	MG/L	22
1000		••••••					•••••	
78-59-1	HORONE EPA	AMBIENT	AUQC	H	s	5.200	MG/L	9
I SOPE	RENE							
78-79-5	USSR	DV	MPC	A	S	.005	MG/L	12
ISOPE	ROPYLAMINE							
75-31-0	USSR	DU	MPC	H	s	2.000	MG/I	12
					•			
ISOPR	OPYLBENZENE HYDROP	EROXIDE						
	USSR	DW	MPC	н	S	.500	MG/L	12
		•••••						
I SOPR	OPYLCHLOROPHENYLCA	RBAMATE						
	USSR	DM	MPC	A	S	1.000	MG/L	12

CHEM	ICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
••••		•••••			•••••		•••	•••••
I SOPI	ROPYLPHENYLCARBAMATE							
	USSR	DW	MPC	A	S	.200	MG/L	12
KERO	SENE							
8008-20-6	USSR	DW	MPC	A	S	.100	MG/L	12
KJELI	DAHL NITROGEN							
	EEC	DW	MADC	A	S	1.000	MG/L	6
LEAD								
7439-92-1	EEC	DW	MADC	H	S	50.000	UG/L	
	EPA	AMBIENT	AWQC	н	S	50.000	UG/L	9
		DW	HA LIFE	H	S	.020	UG/L	
			HALT A	H	S	.020	MG/L	
			MCL	H	S	.050	MG/L	1:
			MCLG	н	P	.000	MG/L	3
	FLORIDA ST.	DW	MCL	H	S	.050	MG/L	*
	H&W	DW	MAC	н	S	.010	MG/L	
	MOE	DW	MAC	н	S	.010	MG/L	
	NEW YORK	AMBIENT	AWQS	н	S	50.000	UG/L	1
		DW	MCL	₩.	S	.050	MG/L	2
		GW	GMQS	H	S	.025	MG/L	1
	USSR	DW	MPC	H	S	.100	MG/L	1
	WHO	DW	GV	H	S	.050	MG/L	
LEAD	AND COMPOUNDS							
7439-92-1+	NEW JERSEY	GU	GJ/1	A .	S	.050	MG/L	2
			GW2	A	S	.050	MG/L	2
			GJ3	A	S	.050	MG/L	2
LINDA	ME						•••••	
58-89-9	AVAVA	DW	ELLTC	н	P	.056	MG/L	2
			ELSTC	н	P	2.000	MG/L	2
	EPA	AMBIENT	AWQC	н	s ·	18.600	NG/L **	
		DW	HA LIFE	н	S	.010	MG/L	
			HA LIFE A	н	S	.200		
			HA1 C	H	S	1.200		
			HA10 C	н	s	1.200	0-000-00-00-00-00-00-00-00-00-00-00-00-	
			HALT A	н	s	.120	15.165691 EV. VESTO	
			HALT C	N N	S	.033		
			MCL	и	S		UG/L	2

	CHEMICA	NL: 							
CAS#		AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
		••••		••••	****		****	•••	
	LINDAN	E					THREE STATES		
58-89-	9	FLORIDA ST.	DW	HCL	M	S	.004		2
		H <del>ZU</del>	DW	MAC	н	S	.004		5
		NOE	DW	MAC	H	S	.004		1
		NAS	DW	SMARL 7	H	S	500.000	0.000	11
		NEW YORK	DW	MCL	H	S	4.000		25
		WHO	DW	GV	H	\$	.003	MG/L	4
	LINURO	 N		••••					
	-2		GN	HGL	Н	Р	.063	MG/L	22
	LUTIDII	NE(2,5)	***************************************						
			DW	MPC	H	S	.050	MG/L	12
•••••	M-81	•••••••							
		USSR	DV	MPC	٨	S	.001	MG/L	12
	M-CHLO	ROANILINE				•••••			
	-9	USSR	DW	MPC	H	S	.200	MG/L	12
	M-DIIS	OPROPYLBENZENE							
		USSR	DW	MPC	H	S	.050	MG/L	12
	M-NITRO								
554-84	-7	NIOSH	DW	SNARL 7	н	S		MG/L	24
		USSR	DV	MPC	H	S	.060	MG/L	12
•••••	MAGNES		•••••••				***********		
7430-0	5-4		DW	GL	A	S	30.000	MG/L	6
1437 7				MADC	A	S	50.000	2000	6
		NEW YORK	AMBIENT	AWOS	H	S	35,000.000	UG/L	16
	MALATH								
121-75		CALIFORNIA ST. DHS	DW	AL	н	s	160.000	UG/L	3
121-75	- >	EPA	DV	SNAEL	H	s	7.000		10
		HEU	DW	MAC	н	S	.190		5
		NOE	DW	MAC	н	S	.190		1
		NEW YORK	GL CL	GHQS		s	7.000		16
	MAI F. 5							•••••	•••••
110-16	MALEIC -7		DV	MPC	A	S	1.000	MG/L	12
		····	 						

CHEM	ICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	1.000	REFCODE
		******	••••	*****	*****	*****	• • • • )	*****
123-33-1	IC HYDRAZIDE EPA	DW	HA LIFE	ж	s	17.500	MC /I	27
123-33-1	EFA		HA LIFE A	H	S	3.500		27
			HA1 C	Ä	S	10.000		27
			HA10 C	Ä	S	10.000		27
			HALT A		S	17.500		27
			HALT C	H	S	5.000		27
MANE	B				**********		******	********
	NEW YORK	GU	GMQS	н	S	1.750	UG/L	16
MANE	B(&ZINEB)				•••••			
	EPA	DW	SMAEL	н	S	1.750	UG/L	10
MANG	ANESE							
7439-96-5	EEC	DW	GL	A	S	20.000	UG/L	6
			MADC	A	S	50.000	UG/L	6
	EPA	AMBIENT	AWQC	H	S	50.000	UG/L	9
		DW	SMCL	A	S	.050	MG/L	28
	H&W	DW	AO .	A	S	.050	MG/L	5
	MOE	DW	HDC	A	S	.050	MG/L	1
	NEW JERSEY	GU	GW1	A	S	.050	1/20/2007	21
			GW2	A	S	.050		21
	TRANSPORTATION OF THE PROPERTY		GM3	A	S		MG/L	21
	NEW YORK	AMBIENT	AWQS	, H	S	300.000	C.Descrie	16
		DW	MCL	H	S		MG/L	25
		GL CL	GHQS	H	S		MG/L	16
	WHO	DW	GV	Α	\$	.100	MG/L	4
MERCA	APTODIETHYLAMINE (BE	TA)						
	USSR	DW	MPC	٨	S	.100	MG/L	12
MERCL	JRY							
7439-97-6	EEC	DW	MADC	H	S	1.000	UG/L	6
	EPA	AMBIENT	AWQC	H	S	144.000	NG/L	9
		DW	HA LIFE	H	S	5.500	UG/L	7
			HA LIFE A	н	S	1,100	UG/L	7
			HA1 C	H	S	1.580	UG/L	. 7
			HA10 C	H	S	1.580	UG/L	7
			HALT C	H	S	1.580	UG/L	7
			MCL	H	S	.002	MG/L	28
			MCLG	H	P	.003	MG/L	8

CHEM								
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCOD
••••		******	****		•••••			•••••
MERC								
7439-97-6	FLORIDA ST.	DW	MCL	4	S	.002		
	HEW	DW	NAC	H	S	.001		
	MOE	DW	MAC	H	S	.001	337-10-A 11-04-1	
	NEW YORK	AMBIENT	AMOS	H	S	2.000	Sandan and	
		DM	MCL	N	S	.002		
		GL	GMOS	200	S	.002		
	USSR	DM	MPC	H	S	.005	Local Anna Anna Anna Anna Anna Anna Anna An	
	WHO	DW	GV	Н	S	.001	MG/L	
	URY AND COMPOUNDS							
9439-97-6+	NEW JERSEY	GN .	GW1	A	S	.002	MG/L	3
			GMS	A	S	.002	MG/L	
			GL/3	A	S	.002	MG/L	3
META	-ACRYLAMIDE	••••••				· · · · · · · · · · · · · · · · · · ·	•••••	•••••
	USSR	DW	MPC	H	S	.100	MG/L	
METAI	LAXYL							
	NACA	CW CW	HGL	H	P	.250	MG/L	(
	ACRYLIC ACID				•••••		*******	
79-41-4	EPA	DV	SNAEL	H	S	35.000	UG/L	
METH	ANE							
74-82-8	HOE	DW	MDC	A	S	3.000	L/M3	
METHO	OMYL	**************	***************************************					
6752-77-5	EPA	DW	HA LIFE	H	S	.875	MG/L	
			HA LIFE A	H	s	.175	MG/L	
			HA1 C	H	S	.250	MG/L	
			HA10 C	н	S	.250	MG/L	
	High		HALT C	H	S	.250	MG/L	
	NACA	GL	HGL	H	P		MG/L	
METHO	DXYCHLOR	••••••			•••••		••••••	
2-43-5		DM	ELLTC	н	P	.035	MG/L	
		₩ <b>4</b> ₩	ELSTC	H	P	2.800	II. Company - Company	
	EPA	AMBIENT	AWQC	×	S	100.000	V. 1000 A. 100	
	LFA	WHOTEHI				1,700.000		
		OM .	NA LIFE			ACCUSED TO THE RESERVED		
			HA LIFE A	H	S	340.000	-	
			HA1 C	H	S	6,400.000	UG/L	

	CHEMIC	AL							
CAS#	*****	 AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
		•••••		••••		•••••	*****	• • •	
	METHOX	YCHLOR							
72-43-	5	EPA	DW	HA10 C	H	S	2,000.000	UG/L	7
				HALT C	H	S	.500	MG/L	7
				MCL	*	S	.100		28
				MCLG	H	P	.340		8
				SHAEL	H	S	35.000	UG/L	10
		FLORIDA ST.	DW	MCL	H	S	.100		2
		H&U	DW	MAC	H	S	.900		. 5
		MOE	DW	MAC	H	S	.100		1
		NEW YORK	AMBIENT	AUQS	H	S	35.000		16
			DW	MCL	H	S	.100	220-20	25
			GL	GHOS	H	S	35.000		16
		WHO	DW	GV	H	S	30.000	UG/L	4
******				• • • • • • • • • • • • • • • • • • • •					
30.00	ASSOCIATION DODGE	ACETATE	****				100	MC /1	12
79-20-	9	USSR	DW	MPC	H	S	.100	MG/L	12
	METHY	ACRYLATE	••••						
	3		DW	MPC	A	s	020	MG/L	12
70-33-		USSK	UW						
	METHYL	DEMETON							
8022-0		USSR	DU	MPC	À	s	.010	MG/L	12
		••••							
	METHYL	DITHIOCARBAMATE							
		USSR	DW	MPC	A	s	.020	MG/L	12
	METHYL	ETHYL KETONE							
78-93-	3	EPA	DW	NA LIFE	H	S	.860	MG/L	7
				HA LIFE A	H	S	170.000	UG/L	7
				HA1 C	H	S	75.000	MG/L	7
3.5				HA10 C	H	S	7.500	MG/L	7
				HALT A	H	S	8.600	MG/L	7
				HALT C	H	S	2.500	MG/L	7
		USSR	DW	MPC	A	S	1.000	MG/L	12
•••••	• • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •			
		METHACRYLATE							
80-62-	6	NEW YORK	CH	GMOS	H	S	.700	MG/L	16
	• • • • • • • • • • • • • • • • • • • •		•••••						
		PARATHION							a man
298-00	-0	CALIFORNIA ST. DHS	DM .	AL	H	S		MG/L	3
		EPA	DM	NA LIFE	H	S		UG/L	27
				HA LIFE A	H	S	2.000	UG/L	27

CHEMI	CAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE		REFCOD
	•••••	•••••	••••	•••••	•••••	••••		
	L PARATHION		1000000 S20	725	82.0	3ma197944		
298-00-0	EPA	DW	HA1 C	H	S	.310		2
			HA10 C	H	S	.310	00-50-500 DE-1	2
			HALT A	H	S	.100		2
			HALT C	H	S	30.000		2
	H&W	DW	MAC		S	.007		
	MOE	DW	MAC MPC	H A	S S		MG/L MG/L	:1
	USSR	DW			•			
	LAMINE				-2:		1000	
74-89-5	USSR	DW	MPC	Н	S	1.000	MG/L	1
METHY	LENE CHLORIDE							
75-09-2	CALIFORNIA ST. DHS	DW	AL	H	S	40.000		
	EPA	DW	HA LIFE	H	S	1,750.000	UG/L	
			HA1 C	H	S	13,300.000		
			HA10 C	H	S	1,500.000		
	H&W	DW	MAC	H	S	.050		
	NOE	DW	MAC	H	S	.050	MG/L	
	NAS	DW	SNARL 7	114000	S	5,000.000		
	USSR	DW	MPC	A	S	7.500	UG/L	1
METHY	LNITROPHOS	•						
	USSR	DW	MPC	A	S	.250	MG/L	1
METHYL	LOL META-ACRYLAMIDE							
	USSR	DW	MPC	н	S	.100	MG/L	1
METHY	LSTYRENE (ALPHA)						******	
	USSR	DW	MPC	A	<b>S</b> =	.100	MG/L	1
METOLA	ACHLOR							
51218-45-2		DW	HA LIFE	H	S	.525	MG/L	
			HA LIFE A	H	S	.010	MG/L	
			HA1 C	н	S	1.400	MG/L	
			HA10 C	H	S	1.400	MG/L	
			HALT A	N	S	1.050	MG/L	
			HALT C	H	S	.300	MG/L	
	H&W	DW	IMAC	H	S	.050	MG/L	
	MOE	DW	IMAC	H	. <b>S</b>	.050	MG/L	
METRIE		D.I.	WA TOPP	p:			MC //	
21087-64-9	EPA	DW	HA LIFE	H	S	.5/5	MG/L	

CHEMI	CAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	BUZIN	•••••	****	•••••	•••••	•	•••	
21087-64-9		DW	HA LIFE A	N	S	.175	MG/L	27
			HA1 C	H	S	4.500		27
			HA10 C	H	S	4.500	MG/L	27
			HALT A	H	S	.875	MG/L	27
			HALT C	18.61	S	.250		27
	H&W	DW	MAC	H	S	.080		5
	MOE	DW	MAC	H	S		MG/L	1
	NACA	CW	HGL	H	P	.250	MG/L	22
MINER	AL OIL							
	USSR	DW	MPC	A	S	.100	MG/L	12
MINER	AL OILS						•••••	
	EEC	DV	MADC	A	S	10.000	UG/L	6
MOLYB								
7439-98-7		DW	MPC	H	S	.500	MG/L	12
MONOC.	HLOROBENZENE	•••••					•••••	
108-90-7		DW	HCL	H	P	.100	MG/L	34
			MCLG	H	P	.060	MG/L	8
			SMCL	A	P	.100	MG/L	34
	H&W	DW	AO .	A	P	.030	MG/L	5
			MAC	H	P	.080	MG/L	5
	MOE	DW	AO	A	P	.030	MG/L	1
			MAC	н	P	.080	MG/L	1
MONOP	ROPYLAMINE							
	USSR	DW	MPC	A	S	.500	MG/L	12
MONOS	OD IUMCYANURATE			•••••				
	USSR	DW	MPC	A	s	25.000	MG/L	12
MONUR	 M		***************************************					
150-68-5	USSR	DW	MPC	A	S	5.000	MG/L	12
					•••••	••••••	•••••	
N,N-D	IMETHYL-PIPERINDINU NACA	M CL.	HGL	H	P	5.000	MG/I	22
	······	·····		n •••••••				
	YL ALCOHOL	<b>4</b> 07				idi see		ige-lodu.
71-36-3	USSR	DW	<b>NPC</b>	A	S	1.000	MG/L	12

EPA

DW

## ####### PALIS SYSTEM PARAMETER REPORT---10/16/90 ########

CHEMICAL LTYPE STATUS REFCODE VALUE UOM LIMIT CAS# AGENCY CATEGORY N-BUTYL PHTHALATE 38.500 UG/L 10 SMAEL N-NITROSO-DIPHENYLAMIDE AMBIENT AUGS 14.000 UG/L 16 NEW YORK NAPHTHALENE 10.000 UG/L NEW YORK AMBIENT AWQS 16 NAPHTHOL(1) .100 MG/L MPC S 90-15-3 USSR A DW NAPHTHOL(2) MPC .400 MG/L 12 135-19-3 USSR S NAPHTHOL (ALPHA) 12 USSR MPC A .100 MG/L NAPROAMIDE 3.000 MG/L 22 HGL H NACA NIACINAMIDE AUQS 500.000 UG/L 16 H S 98-92-0 NEW YORK AMBIENT NICKEL 7440-02-0 EEC MADC 50.000 UG/L DW 9 EPA AMBIENT AUCC 13.400 UG/L 7 350.000 UG/L DL HA LIFE S 150.000 UG/L HA LIFE A S 1.000 MG/L HA1 C H S 1,000,000 UG/L HA10 C S .350 MG/L HALT A .100 MG/L NITRALIN 35.000 UG/L 10 SNAEL EPA 35.000 UG/L 16 2 CHOS MITRAPYRIM HGL .015 MG/L 22 CH NACA NITRATE

HA10 C

10.000 MG/L ## 7

S

CHEMICAL REFCODE AGENCY LIMIT CAS# LTYPE STATUS VALUE UON CATEGORY ..... NITROBENZENE 98-95-3 NEW YORK AMBIENT 30.000 UG/L 16 NIOSH DW SNARL 1 .035 MG/L 24 24 SMARL 7 .005 MG/L NITROCHLOROBENZENE 12 S .050 MG/L NITROCYCLOHEXANE .100 MG/L NITROPHENOL (ORTHO) MPC .060 MG/L 12 88-75-5 USSR DW H S NITROPHENOL (PARA) .020 MG/L 12 100-02-7 NITROPHENYLACETYLAMINOETHANOL(P) MPC S 1.000 MG/L 12 NITROPHENYLAMINOETHANOLOXYAM(P) MPC .500 MG/L USSR DW S NITROPHENYLCHLOROMETHYLCARBIN(P) 12 .200 MG/L USSR DW MPC S NITROSAMINES AMBIENT AUQC н S .800 NG/L \*\* NITROSODIBUTYLAMINE N 6.400 NG/L \*\* AMBIENT AWQC S NITROSODIETHYLAMINE N .800 NG/L \*\* 9 AUQC AMBIENT NITROSODIMETHYLAMINE N 1.400 NG/L \*\* AUQC NITROSODIPHENYLAMINE N AWQC 4,900.000 NG/L \*\* AMBIENT H S NITROSOPYRROLIDINE N 16.000 NG/L \*\* AWQC AMBIENT H S

	CHEMIC	AL							
6464		APPHAY	64 77 6654		ITYDE	STATUS	VALUE	1104	REFCODE
CAS#		AGENCY	CATEGORY	LIMIT	LITPE	SIAIUS	ANLUE	OUR	REFCODE
	NITRAT		•••••	••••					
	RITKAT			wa: a	u	P	10.000	MC (I	7.00
		EPA NEU MOOM	DW	MCLG	H	S	10,000.000		8
		NEW YORK	AMBIENT	AUQS		520			16
			DW	MCL	H	S S	10.000	Constant of the Constant of th	25 16
			CH .	GLIQS	.n		10.000	MG/L	10
	MITPAT	E AS N							V 102-
		EPA	DW	MCL	н	P	10.000	MG/L	13
		FLORIDA ST.	DV	MCL	Н	S	10.000	A. C.	2
		H&W	DW	MAC	H	S	10.000		5
		NOE	DW	MAC	н	S	10.000		1
		USSR	DW	MPC	H	S	10.000		12
		WHO	DW	GV	H	S	10.000	120000000000000000000000000000000000000	4
		***************************************							
	HITRAT	E-NITROGEN							
		NEW JERSEY	a	GJ/1	A	S	2.000	MG/L	21
		The Association of Consequent Delay (April 2)	100-11-11	GW2	A	S	10.000	MG/L	21
				GLIS	A	S	10.000	MG/L	21
								•••••	
	NITRAT	ES							
		EEC	DW	GL	A	S	25.000	MG/L	6
				MADC	A	S	50.000	MG/L	6
		EPA	AMBIENT	AUGC	H	S	10.000	MG/L	9
		••••••	***************************************					*****	
		OTRIACETIC ACID(NTA)	2000	grananaer:	NONE				21
139-13	-9	HEU	DW	MAC	H	S		MG/L	5
		HOE	DU	MAC	H	S	.050	MG/L	1
				****************	•••••				
	NITRIT	EPA	DV	MA10 C	H	S	1 000	MG/L #	* 7
		EPA				p	1.000	MG/L	34
				MCL MCLG	H	P	1.000	A CONTRACTOR OF THE CONTRACTOR	54 8
				MLLG		. r	1.000	MG/L	
	NITRIT	F AC N							
	MAINEL	HEW	DU	MAC	H	S	1.000	MC/I	5
		MOE	DV	MAC	H	S	1.000	30000000000000000000000000000000000000	1
			•••						
	NITRIT	ES							
		EEC	DV	MADC	A	s	, 100	MG/L	6
						<del>-</del>			
	NITROS	ENZENE							
98-95-	3	THE CONTRACTOR OF THE CONTRACT	AMBIENT	AUQC	н	s	19.800	MG/L	9
100,00% SEED		make dir	WV-0000007-1-500-1-500-1-1-1	10000000000000000000000000000000000000	ASSECT.	576	100 (300)	Sesser Water	7.50

CHEMICAL AGENCY CATEGORY LIMIT LTYPE STATUS VALUE UOM REFCODE CAS# ..... ...... NONYL ALCOHOL 143-08-8 USSR .010 MG/L 12 COOUR .000 D# GL EEC DW MADC A 3.000 D# 3.000 D# 28 SMCL EPA ORGANIC NITROGEN MDC A S .150 MG/L \*\*\* 1 ORGANOPHOSPHORUS&CARBAMATE PESTI ELLTC .100 MG/L 23 DW ELSTC 2.000 MG/L 22 HGL н P .090 MG/L OXAMYL .875 MG/L EPA HA LIFE HA LIFE A S 175.000 UG/L .175 MG/L HA1 C .175 MG/L HA10 C H S HALT A HGL H S .175 MG/L .250 MG/L NACA GH 22 OXYDEMETON-METHYL 22 301-12-2 NACA HGL H P .050 MG/L PARAQUAT 1910-42-5 EPA .160 MG/L 27 DU HA LIFE 2 .003 MG/L 27 HA LIFE A .100 MG/L 27 HA1 C .100 MG/L 27 HA10 C HALT A .160 MG/L 27 .045 MG/L HALT C S SNAEL S .003 MG/L HEL DU IMAC S .010 MG/L 5 MOE DW IMAC S .010 MG/L 1 S 2.980 UG/L PARATHION 56-38-2 CALIFORNIA ST. DHS DW .030 MG/L 3 H S AL

CHEMICAL LIMIT VALUE UOH CATEGORY LTYPE STATUS AGENCY CAS# ..... PARATHION 5 .050 MG/L MAC 56-38-2 HAN .035 MG/L 1 S MAC .003 MG/L PARATHION AND METHYL PARATHION 1.500 UG/L 10 SNAEL S EPA DH 1.500 UG/L 16 S NEW YORK GW PCB .010 UG/L 16 AWQS H NEW YORK AMBIENT 1.000 UG/L 26 S ASL1 H .100 UG/L 26 \$ ASL2 .100 UG/L S 16 GUQS PCB'S .079 NG/L \*\* EPA AMBIENT AWQC 5 PCB'S(POLYCHLORINATED BIPHENYLS) 8 .000 MG/L MCLG H EPA DW .003 MG/L 1 IMAC H S MOE 21 .001 UG/L GU1 S NEW JERSEY .001 UG/L 21 GU2 S .001 UG/L S PCB(TETRACHLOROSIPHENYLS TOTAL) 11 50.000 UG/L PCB(TRICHLOROSIPHENYLS TOTAL) 11 SNARL 7 4.700 UG/L 10 DW FPA 4.700 UG/L 16 NEW YORK CH S PENTACHLOROSENZENE 74.000 UG/L S AMBIENT ALIQC PENTACHLOROBUTANE 12 .020 MG/L USCP. PENTACHLORONITROBENZENE .900 UG/L H S 82-68-8 CALIFORNIA ST. DHS DW AL

	CHEMICAL		(9)					
CAS#	AGENCY	CATEGORY	LIMIT	I TYPE	STATUS	VALUE	LICH	REFCODE
	AGENCI	CATEGORY		LITE		TALUE		REFCORE
33.55	PENTACHLOROPHENOL	311111111		3 7 7 7 7				
87-86-		DW	AL	н	S	30.000	UG/L	3
	EPA	AMBIENT	AUQC	H	S	1.010	0.0000000000000000000000000000000000000	9
	S=	DW	NA LIFE	H	s	1,050.000		7
			HA LIFE A	H	S	220.000		7
			HA1 C	H	S	1,000.000	UG/L	7
			HA10 C	H	s	300.000		7
			HALT A	н	s	1,050.000	UG/L	7
			HALT C	H	s	300.000		7
			MCL	H	P	.200	MG/L	34
			MCLG	H	P	.220	MG/L	8
			SMCL	A	P	.030	MG/L	34
			SNAEL	N	S	1.050	UG/L	10
	HEU	DW	AO	A	S	.030	MG/L	5
			MAC	H	S	.060	MG/L	5
	MOE	DW	AO	A	S	.030	MG/L	1
			MAC	H	S	.060	MG/L	1
	NAS	DW	SNARL CHR*	H	S	21.000	UG/L	11
	NEW YORK	GH	GMQS	H	S	21.000	UG/L	16
	USSR	DW	MPC	A	S	.300	MG/L	12
	WHO	DW	GV	H	S	10.000	UG/L	4
	PENTANATE			• • • • • • • • •				
	USSR	DW	MPC	н	S	2.500	MG/L	12
*******			•••••	• • • • • • • • • • • • • • • • • • • •				
	PESTICIDES				_	EOO	110.71	
	EEC	DW	MADC	H	S		UG/L	6 5
	H&W	DW	MAC	н	S	.100	MG/L	
	PH							
	EEC	DW	MADC	A	S	9.500	STDU	6
	EPA	DW	SMCL	A	S	6.500	STD U+++	28
	HEW	DW	MAC	A	S	6.500	STDU +++	5
	MOE	DW	MAC	A	s	6.500	STDU +++	1
	NEW JERSEY	GW	GV1	A	S	4.200	STDU	21
			GM2	A	S	5.000	STDU	21
			GW3	A	S	5.000	STDU	21
	NEW YORK	GW	GWQS	H	s	6.500	STD U	16
	VHO	DV	GV	A	S	6.800	STDU +++	28
	PHENOL	••••••		• • • • • • • • • • • • • • • • • • • •			•••••	
108-95-	AL AUTOMOTORIA	DW	AL	A	S	1.000	UG/L	3
,,	STEEL STREET STREET		n-		· ·		JU/ L	<b></b>

CHEMICAL VALUE UOM CATEGORY LTYPE STATUS LIMIT CAS# AGENCY PHENOL 9 3.500 MG/L AUQC 108-95-2 EPA AMBIENT GW1 .300 MG/L 21 NEW JERSEY GW 3.500 MG/L 21 GLI2 S 21 S 3.500 MG/L CL/3 12 .001 MG/L 2 USSR 12 .001 MG/L 5 PHENOLIC COMPOUNDS AWQS S 1.000 UG/L 16 H NEW YORK AMBIENT PHENOLS MADC S .500 UG/L 6 EEC DW MDC S .002 MG/L MOE DW .001 MG/L 16 NEW YORK GLIQS PHENYL ETHER 16 10.000 UG/L 101-84-8 NEW YORK AMBIENT AWQS S PHENYLENEDIAMINE (PARA) .100 MG/L 12 106-50-3 MPC USSR PHENYLHYDRAZINE .010 MG/L H 5 100-63-0 MPC PHORATE 10 .035 UG/L 298-02-2 EPA DW 5 .002 MG/L INAC HELI DW 1 HOE INAC .030 MG/L S MPC PHOSMET 22 HGL .200 MG/L PHOSPHAMIDE .030 MG/L 12 MPC S PHOSPHATE, TOTAL .700 MG/L 21 GU GW1 S A NEW JERSEY

CNI	EMICAL							
CAS#	AGENCY	CATEGORY	LIMIT	1 TYPE	STATUS	VALUE	LION	REFCODE
	*****	*******	****		*****	*****	•••	
PHO	OSPHORUS							
7723-14-0		DW	GL	A	S	400.000	UG/L	6
	200		MADC	A	s	5,000.000	UG/L	6
PH	THALOPHOS							
	USSR	DW	MPC	A	S	.200	MG/L	12
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •				•••••		• • • • • •	
PIC	CHLORAM							
1918-02-1	NACA	GU	HGL	H	P	.250	MG/L	22
••••••						• • • • • • • • • • • • • • • • • • • •		
	CLORAM							
1918-02-01	I EPA	DW	HA LIFE	H	S	2.450		27
			HA LIFE A	H	S	.490		27
			HA1 C	н	S	20.000		27
			HA10 C	H	S	20.000		27
			HALT A	н	S	2.450		27
			HALT C	H	S	.700		27
	H <b>EW</b>	DW	IMAC	н	P	.190	MG/L	5
	MOE	DW	INAC	H	P	. 190	MG/L	1
	• • • • • • • • • • • • • • • • • • • •							
	COLINE (ALPHA)	17 methodolic	PT-0 6480-0007	1120				
109-06-8		DW	MPC	H	S	.050	MG/L	12
PIC		(max)	(1000)	940		E00	MC /1	13
88-89-1	USSR	DW	MPC	A	S	.500	MG/L	12
DOI	VACBULANINE							
PUL	YACRYLAMIDE USSR	DW	MPC	×	s	2.000	MC //	12
	USSK	UW	MP L	H	3	2.000	MG/L	
POI	YCHLOROPINENE							
POL	USSR	DU	MPC	н	s	200	MG/L	12
		<b></b>	m u		•			٠
POI	YCYCLIC AROMATIC	YDROCAPRONS			-1.10 Totalistos, 620.0.0.			
r.u.	EEC	DW	MADC	н	s	.200	UG/I	. 6
POL	YETHYLHYDROSILOXAN	IE .			*0			
11.55	USSR	DW	MPC	A	S	10.000	MG/L	12
POL	YETHYLSILOXANE							
5000	USSR	DW	MPC	A	S	10.000	MG/L	12
	***************************************							
POL	YMETHYLHYDROSILOXA	NE						
3350	USSR	DW	MPC	A	S	2.000	MG/L	12
		••••••						

CHEMICAL REFCODE LIMIT VALUE UOM LTYPE STATUS CATEGORY CAS# AGENCY .... ..... POLYMUCLEAR AROMATIC HYDROCARBON 2.800 NG/L \*\* AMBIENT POTASSIUM 10.000 MG/L 6 GL. 7440-09-7 EEC 12.000 MG/L MADC POTASSIUM DIETHYLPHOSPHORODITHIO S .500 MG/L MPC POTASSIUM DIISOPROPYLDITHIOPHOS .020 MG/L 11558 POTASSIUM PERMANGANATE 6 2.000 MG/L GL 7722-64-7 EEC 5.000 MG/L 6 MADC PROFENOFOS 22 .005 MG/L H P HGL NACA PROMETON .525 MG/L 1610-18-0 EPA HA LIFE .100 MG/L HA LIFE A H S .150 MG/L 27 HA1 C S .150 MG/L 27 HA10 C 27 .150 MG/L HALT C H PROMETRYNE 22 .375 MG/L HGL 7287-19-6 NACA 3.000 MG/L 2 USSR PRONAMIDE 2.600 MG/L 27 HA LIFE 23950-58-5 EPA DW 27 .052 MG/L HA LIFE A 27 .052 MG/L S HA1 C .052 MG/L S PROPACHLOR 27 .460 MG/L HA LIFE 1918-16-7 EPA DW S 27 .092 MG/L HA LIFE A S 27 H .500 MG/L HA1 C .500 MG/L 27 HA10 C

	STATION OF THE STATION OF THE							
CAS#	A No. of Contract	CATEGORY	LIMIT	LTYPE	STATUS	VALUE		REFCODE
****	*****	******	*****	••••	•••••		•••	
	ROPACHLOR			459	2			
1918-16-7	7 EPA	DW	HALT A	H H	S	.460	125	27 27
			HALT C SNAEL	22.1	// <del></del>	.130 .035	0.000	10
	NEW YORK	GV ·	GUOS	H		35.000	190303913011500	16
					9			
	ROPANIL							
709-98-8	O-00 1150	DW	SNAEL	H	S	7.000	The second second	10
	NEW YORK	GN	GWQS	н	S	7.000	UG/L	16
Pi	ROPAZIN						1 22 22 2	
200000000000000000000000000000000000000	USSR	DW	MPC	٨	S	1.000	MG/L	12
	ROPAZINE							
139-40-2	EPA	DW	HA LIFE	H	S	.700	MG/L	27
			HA LIFE A	K	S	.014	MG/L	27
			HA1 C	K	S	1.000	*	27
			HA10 C		S	1.000		27
			HALT A	2.21	S	1.750	The contract of the Contract	27
			HALT C	550	S	.500		27
			SNAEL	372	S	16.000		10
	NEW YORK	GV	GUQS	×	S	16.000	UG/L	16
PR	ROPHAM							
122-42-9	EPA	DW	HA LIFE	H	S	.595	MG/L	27
			HA LIFE A	H	S	.120	MG/L	27
			HA1 C	H	S	5.000	MG/L	27
			HA10 C	H	S	5.000	MG/L	27
			HALT A	H		17.500	MG/L	27
			HALT C	H	S	5.000	MG/L	27
PR	ROPOXUR		••••••	•••••	•••••			*********
114-26-1	1-2W/12W/03E3W	DW	AL	н	S	.090	MG/L	3
	EPA	DW	HA LIFE	H	S	. 140		27
			HA LIFE A	H	S	3.000		27
			HA1 C	H	S	.045		27
			HA10 C	H	S		MG/L	27
			HALT A	H	S	100.000	UG/L	. 27
			HALT C	н	S	40.000	UG/L	27
PE	ROPYLBENZENE						•••••	
		SACADIII	7502.72	928		200	222 20	
103-65-1	USSR	DW	MPC	A	S	.200	MG/L	12

CHEMICAL REFCODE LTYPE STATUS CATEGORY AGENCY LIMIT CAS# PROPYLENE .500 MG/L 12 115-07-1 USSR .200 MG/L 12 110-86-1 USSR MPC QUINONE DIOXAME(PARA) .100 MG/L 12 LISSE RADIUM 226 + RADIUM 228 5.000 PCI/L 28 MCL DU EPA 5.000 PCI/L AWQS AMBIENT NEW YORK RADIUM-226 5 1.000 BECQ/L MAC H HEU 1.000 BECQ/L 1 MAC S MOE DW 3.000 PCI/L NEW YORK AMBIENT AWQS SAPONIN .200 MG/L MPC S USSR DW SELENIUM 10.000 UG/L 6 7782-49-2 EEC MADC DU 9 10.000 UG/L AUGC S AMBIENT EPA .010 MG/L 13 MCL DW 8 .045 MG/L P MCLG .010 MG/L 2 S FLORIDA ST. MCL .010 MG/L 5 HEU MAC .010 MG/L 1 MOE DW 10.000 UG/L 16 AMBIENT S NEW YORK .010 MG/L 25 MCL DW .020 MG/L 16 GUOS GW 12 .001 MG/L S DW MPC USSR S SELENIUM AND COMPOUNDS 21 .010 MG/L 7782-49-2+ NEW JERSEY GW2 21 .010 MG/L GL/3 ...... SETHOXYDIM 1.800 MG/L 22 H P HGL

	***							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	LION	REFCODE
	•••••	•••••	****	••••				
SILV	ER							
7440-22-4	EEC	DW	MADC	A	S	10.000	UG/L	6
	EPA	AMBIENT	AWQC	H	S	50.000	UG/L	9
		DW	MCL	H	P		MG/L	13
			SMCL	A	P	.090	MG/L	34
	FLORIDA ST.	DW	MCL		S	.050	MG/L	2
	MOE	DW	MAC	H	S	.050	MG/L	1
	NEW YORK	AMBIENT	AUQS	H	S	50.000	UG/L	16
		DW	MCL	н	S	.050	MG/L	25
		GW	GWQS	н	S	.050	MG/L	16
SILV	ER AND COMPOUNDS	• • • • • • • • • • • • • • • • • • • •					******	
7440-22-4+	NEW JERSEY	G¥	GW1	A	S	.050	MG/L	21
			GW2	Ä	S		MG/L	21
			GL/3	A	S		MG/L	21
SIMAZ		7200.00				W		-
122-34-9	EPA	DW	HA LIFE	H	S	175.000		27
			HA LIFE A	H	S	35.000		27
			HA1 C	H	S	50.000	125-145-00000	27
			HA10 C	H	S	50.000		27
			HALT A	H	S	175.000	area e Sieres	27
			HALT C	H	S	50.000	17.000.00	27
	HEU	NI)	SNAEL	*	S	75.250	4.965541.00604	10
	Links and the	DW	IMAC	H	S	.010		5
	MOE	DW	INAC	H	S	.010		1
	NACA	GU .	HGL	H	P	.500		22
	NAS	DV	SNARL CHR*	H		1,505.000		11
	NEW YORK	CH CH	GMQS	H	S	75.250		16
	USSR	DW	MPC	A	S	.000	MG/L	12
SIMAZ	INE(2-OXYDERIVATIVE	:)						
	USSR	DW	MPC	A	S	.000	MG/L	12
SIMAZ	INE(PLUS D-ETHYL SI	MAZINE)						
	HEW	DW	IDWG	H	T	.010	MG/L	17
SODIU	M		***************************************					
7440-23-5	EEC	DW	GL	A	S	20.000	MG/L	6
		***************************************	MADC	A	S	150.000	0.51 Fe-10 <del>5</del> 1052	6
	FLORIDA ST.	DW	MCL	н	S	160.000	901 NWW9377180	2
	H&W	DW	AO	 A	P	200.000		5
	and the state of t		en e	1.464.07	MT- I			

CHEMICAL LTYPE STATUS REFCODE LIMIT CAS# CATEGORY AGENCY ...... SODIUM 7440-23-5 200.000 MG/L 21 NEW JERSEY GW1 S 10.000 MG/L 50.000 MG/L 21 4 UHO DU SODIUM ADIPATE 1.000 MG/L H S MPC SODIUM CHLORATE 12 20.000 MG/L 7775-09-9 USSR MPC A S SODIUM DICHLOROPHENOXYACETATE 1.000 MG/L 12 MPC SODIUM ETHYLSILICONATE 12 MPC 2.000 MG/L USSR A S SODIUM METHYLSILICONATE 2.000 MG/L 12 USSR MPC SODIUM PENTACHLOROPHENOLATE 12 USSR A 5.000 MG/L SODIUM VINYLSILICONATE 12 2.000 MG/L MPC S USSR DW SOLIDS DISSOLVED AND SALINITY 250.000 MG/L AHQC SOLIDS TOTAL DISSOLVED WHO 1,000.000 MG/L STRONTIUM 12 2.000 MG/L 7440-24-6 MPC H S STRONTIUM-90 8.000 PCI/L 2 FLORIDA ST. MCL H S DU MAC 10.000 BECQ/L HEW S DW 10.000 BECQ/L 1 MAC 2 MOE DM S 8.000 PCI/L 16 NEW YORK AUQS AMBIENT

CASE   AGENCY		MICAL							
STYREME			CATEGORY	LIMIT	LTYPE	STATUS			REFCODE
100-42-5   EPA			•••••	••••	•••••	•••••	••••	•••	
HALIFE A H S						220		200000000	
MAT C	100-42-5	EPA	DW						7
MAID C					13.50	(30)			7
MALT A				뭐겠죠					7
HALT C					1.44				7
MCL					11/2/21/1	1000			7
MCLG					107AE1/L	PG(1)			.7
SHCL   A   P   .010   MG/L     SMEL   H   S   46.500   UG/L     NEW YORK   AMBIENT   AUGS   A   S   50.000   UG/L     USSR   DM   MPC   A   S   .000   UG/L     USSR   DM   MPC   A   S   .000   MG/L     SULFATE   EPA   DM   SMCL   A   S   250.000   MG/L     NEW JERSEY   GM   GM1   A   S   15.000   MG/L     NEW YORK   AMBIENT   AUGS   H   S   250.000   MG/L     GM   GMQS   H   S   250.000   MG/L     UHO   DM   GV   A   S   400.000   MG/L     SULPHATE   NEW   DM   AO   A   P   150.000   MG/L     SULPHATES   EEC   DM   GL   A   S   250.000   MG/L     SULPHATES   EEC   DM   GL   A   S   250.000   MG/L     SULPHATE   SULPHATES   EEC   DM   GL   A   S   250.000   MG/L     SULPHATE   SULPHATES   EEC   DM   GL   A   S   250.000   MG/L     SULPHATE   SULPHATES   EEC   DM   GL   A   S   250.000   MG/L     SULPHATE   SULPHATES   EEC   DM   AO   A   S   .050   MG/L     SULPHATE   SULPHATES   EEC   DM   AO   A   S   .050   MG/L     SULPHATE   SULPHATES   EEC   DM   AO   A   S   .050   MG/L     SULPHATES   EEC   DM   AO   A   S   .050   MG/L					- 3	575			34
SAMEL					1/2000	•			8
NEW YORK					170700			DESIGN SECTION	34
USSR				103470000000000	0.00	350			10
USSR   DW   MPC   A S   .100 MG/L		NEW YORK			V-10-	100			16
SULFATE									16
EPA		USSR	DW	MPC		S	.100	MG/L	12
NEW JERSEY   GW   GW1   A   S   15.000   MG/L	SUL	FATE							
GM2		335.686.74	DW	SMCL	A	S	250.000	MG/L	28
NEW YORK		NEW JERSEY	CW	GW1	A	S	15.000	MG/L	21
DU MAC A S 250.000 MG/L GW GAIGS H S 250.000 MG/L UHO DU GV · A S 400.000 MG/L  SULPHATE HEW DW AO A P 150.000 MG/L HOE DW MDC A S 500.000 MG/L  SULPHATES EEC DW GL A S 25.000 MG/L  SULPHIDE HEW DW AO A S 250.000 MG/L  SULPHIDE HEW DW AO A S050 MG/L  SULPHIDE SULPHIDE HEW DW AO A S050 MG/L SULPHIDE HEW DW AO A S050 MG/L  SURFACTANTS EEC DW MADC A S050 MG/L  TASTE				GW2	A	S	250.000	MG/L	21
DH		NEW YORK	AMBIENT	AWQS	H	S	250,000.000	UG/L	16
SULPHATE		CALCUS VIZITION	DW	MAC	A	S	250.000	MG/L	25
SULPHATE			GW	GWQS	н	S	250.000	MG/L	16
H2H   DH   AO   A   P   150.000   MG/L     MOE   DH   MDC   A   S   500.000   MG/L     SULPHATES   EEC   DH   GL   A   S   25.000   MG/L     MADC   A   S   250.000   MG/L     SULPHIDE   H2H   DH   AO   A   S   .050   MG/L     MOE   DH   AO   A   S   .050   MG/L     SURFACTANTS   EEC   DH   MADC   A   S   .200   MG/L     TASTE		WHO		GV	· A	s	400.000	MG/L	4
H2H   DH   AO   A   P   150.000   MG/L     MOE   DH   MDC   A   S   500.000   MG/L     SULPHATES   EEC   DH   GL   A   S   25.000   MG/L     MADC   A   S   250.000   MG/L     SULPHIDE   H2H   DH   AO   A   S   .050   MG/L     MOE   DH   AO   A   S   .050   MG/L     SURFACTANTS   EEC   DH   MADC   A   S   .200   MG/L     TASTE	6111							•••••	
MOE   DW   MDC   A   S   500.000   MG/L	SUL		Nu	40		D	150 000	MG /I	5
SULPHATES   EEC   DW   GL   A   S   25.000   Mg/L		50.3000		100000	2	5.5		000000000000000000000000000000000000000	1
EEC DU GL A \$ 25.000 MG/L  MADC A \$ 250.000 MG/L  SULPHIDE  H&W DW AO A \$ .050 MG/L  MOE DW AO A \$ .050 MG/L  SURFACTANTS  EEC DW MADC A \$ .200 MG/L  TASTE									
MADC   A   S   250.000 MG/L	SULF	PHATES							
SULPHIDE   H&W   DW   AO   A   S   .050 MG/L     MOE   DW   AO   A   S   .050 MG/L     SURFACTANTS   EEC   DW   MADC   A   S   .200 MG/L     TASTE		EEC	DM	GL	A	S	25.000	MG/L	6
H&W   DW   AO   A   S   .050 MG/L				MADC	A	S	250.000	MG/L	6
H&W   DW   AO   A   S   .050 MG/L	en c								• • • • • • • • • • • • • • • • • • • •
MOE         DW         AO         A         S         .050 MG/L           SURFACTANTS         EEC         DW         MADC         A         S         .200 MG/L           TASTE	SULF	1881D2170 <sub>0</sub>	NJ	40	Ä	è	050	MG/I	5
SURFACTANTS  EEC DW MADC A S .200 MG/L  TASTE					2				í
EEC DW MADC A S .200 MG/L TASTE			vw						
TASTE	SURI	FACTANTS							
		EEC	DW	MADC	A	S	.200	MG/L	6
	TACT								
	1.43	EEC	DW	GL	A	s	.000	D#	6
MADC A S 3.000 D#		220	~				******	V-250000	6
ANDL N 3 3.000 DF				rew/L		. <b></b>	2.000		

CHEM	ICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
1.5 2			*****	•••••		****	•••	•••••
TEBU	THIURON							120122
34014-18-1	EPA	DW	HA LIFE	H	S	1.750		27
			HA LIFE A	W	S .	.350		27
			HA1 C	N	S	2.500	MG/L	27
			NATO C	H	S	2.500	MG/L	27
			HALT A	H	S	.438	MG/L	27
			HALT C	H	S	. 125		27
	NACA	GH	HGL	H	Р	2.000	MG/L	22
TELL	URIUM	• • • • • • • • • • • • • • • • • • • •	•••••					
13494-80-9	USSR	DW	MPC	H	S	.010	MG/L	12
TEME	DUOC	•••••						•••••
TEME	H&W	DW	IMAC	н	s	.280	MG/L	5
	NOE	DW	IMAC	×	S	.280	MG/L	1
	••••	•••••••••••••						
TEMP	ERATURE							
. <del>- 1. 11</del>	EEC	DW	GL	A	S	12.000	DEG C	6
			MADC	A	S	25.000	DEG C	6
	HEW	DW	AO .	A	S	15.000	DEG C	5
	MOE	DW	MDC	A	S	15.000	DEG C	1
TERB	ACTI			•••••				
5902-51-2		DW	HA LIFE	н	S	.440	MG/L	27
J702 J1 2	EFA	51	HA LIFE A	и	S	.090	MG/L	27
			HA1 C	H	S	.240	MG/L	27
			HA10 C		s		MG/L	27
			HALT A	H	s	.875	00Y00587 UPS (1	27
			HALT C	H	s	.250	Walter Street	27
	NACA	GU	HGL	H	P	.125		22
TERB					s	880	UG/L	27
13071-79-9	EPA	DW	NA LIFE	H	S		UG/L	27
			HA LIFE A	H	-	5.000		27
			HA1 C	H	S		UG/L	27
			HA10 C	H	S		-	27
			HALT A	H	S	.250	UG/L UG/L	27
	220	200	HALT C	H	S		ACTIVITIES OF THE PARTY.	5
	H&W	DW	IMAC	H	S	.001	0.0000000000000000000000000000000000000	1
	MOE	DW	IMAC	H	S	.001	MG/L	
TETR	ACHLOROBENZENE	***************************************						
	USSR	DW	MPC	H	S	.010	MG/L	12

	CHEMIC									
CAS#		AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	RE	FCODE
		HLOROBENZENE(1,2,4,5) EPA		AUQC	H	S	38.000	UG/L		9
	TETRAC	HLOROBENZENES NEW YORK	AMBIENT	AUQS	A	s	10.000	UG/L		16
	= 7 0000	HLOROETHANE USSR	DW	MPC	۸	s	.200	MG/L	••••••	12
		HLOROETHANE(1,1,2,2) EPA	AMBIENT	AWQC	н	s	.170	UG/L		9
	TETDAC	UI 000ETUVI ENE		•••••		• • • • • • • • • • • • • • • • • • • •				
127-18	3-4	HLOROETHYLENE CALIFORNIA ST. DHS EPA	DW AMBIENT DW	AL AUQC DWEL HA LIFE A HA1 C HA10 C	H H H	s s s s	4.000 .800 .500 10.000 2.000 2.000	UG/L MG/L MG/L MG/L MG/L		3 9 7 7
		FLORIDA ST.	DW	HALT C HCL	H	S S	5.000 1.400 3.000	MG/L UG/L		1
		WHO	DW	SNARL 7 SNARL CHR TGV	H H	S S	24,500.000 7.140 10.000	UG/L	**	11 11 4
	TETRAC	HLOROHEPTANE								• • • • •
		USSR	DW	MPC	A	S	.002	MG/L		12
	TETRAC	HLORONONANE USSR	DW	MPC	Α	s	.003	MG/L		12
•••••	TETRACI	HLOROPENTANE USSR	DW	MPC	Α	s	.005	MG/L	•••••	17
•••••	TETRACI	HLOROPHENOL(2,3,4,6)							• • • • • • • • • • • • • • • • • • • •	
		HEW	DW	AO MAC	A H	s s	.100	MG/L		!
		MOE	DW	AO MAC	H	S		MG/L MG/L		
•••••	TETRACI	HLOROPROPANE USSR	DW	NPC	Α	s	.010	MG/L		17
		••••								

CASE   AGENCY   CATEGORY   LIMIT   LTYPE   STATUS   VALUE   UOM   REFCODE		CHEMIC								
TETRACHIORCUMOECANE	CAS#			CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
USSR				******					•••	•••••
TETRAETHYL TIN  USSR  DU  MPC  N  S  .200 UG/L  12  TETRANTOROQUINONE  USSR  DU  MPC  A  S  .050 MG/L  12  TETRANTITROMETHAME  509-14-8  USSR  DU  MPC  A  S  .050 MG/L  12  THALLIUM  7440-28-0  EPA  AMBIENT  AMGC  M  S  13.000 UG/L  9  THEOPHYLLINE  58-55-9  MEW YORK  AMBIENT  AMGS  M  MPC  M  S  13.000 UG/L  9  THIOCYAMATES  USSR  DU  MPC  M  MPC  M  S  .100 MG/L  12  THIOCYAMATES  USSR  DU  MPC  M  MPC  M  M  M  M  M  M  M  M  M  M  M  M  M		TETRAC	3	215	1100	12	201	122=1		
USSR DW MPC H S .200 UG/L 12  TETRANTOROQUINONE USSR DW MPC A S .050 MG/L 12  TETRANTITROMETHAME 509-14-8 USSR DW MPC A S .500 MG/L 12  THALLIUM 7440-28-0 EPA AMBIENT AMQC H S 13.000 UG/L 9  TRECPHYLLINE 58-55-9 NEW YORK AMBIENT AMQS H S .40.000 UG/L 16  THIOCYANATES USSR DW MPC H S .100 MG/L 12  THIOCHEME 110-02-1 USSR DW MPC A S .2000 MG/L 12  THIOPHEME 110-02-1 USSR DW MPC A S .2000 MG/L 12  THIOPHEME 110-03-1 USSR DW MPC A S .100 MG/L 12  THIOPHEME 110-03-1 USSR DW MPC A S .100 MG/L 12  THIOPHEME 110-03-1 USSR DW MPC A S .1.750 UG/L 16  TOLUEME 108-88-3 CALIFORNIA ST. DHS DW AL H S .1.750 UG/L 16  TOLUEME 108-88-3 CALIFORNIA ST. DHS DW AL H S .1.750 UG/L 70  HALT C H S .2,420.000 UG/L 7  HALT C H S .3,460.000 UG/L 7				DW	MPC		S	.007	MG/L	12
TETRAHYDROQUINONE USSR DW MPC A S .050 MG/L 12  TETRAMITROMETHAME 509-14-8 USSR DW MPC A S .500 MG/L 12  THALLIUM 7440-28-0 EPA AMBIENT AMGC H S 13.000 UG/L 9  THEOPHYLLINE 58-55-9 NEW YORK AMBIENT AMGS H S 40.000 UG/L 16  THIOCYAMATES USSR DW MPC H S .100 MG/L 12  THIODICARB MACA GW HGL H P .300 MG/L 22  THIOPHENE 110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM 137-26-8 EPA DW SMAEL H S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DW AL H S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DW AL H S 1.750 UG/L 16  HALIFE H S 1.750 UG/L 7  HALIFE H S 12,100.000 UG/L 7  HALIFE H S 12,000.00 UG/L 7  HALIFE H S 2,400.00 UG/L 7  HALIFE H S 3,460.000 UG/L 7		TETRAE	THYL TIN							
TETRANYDROQUINONE USSR DM MPC A S .050 MG/L 12  TETRANITROMETHANE 509-14-B USSR DM MPC A S .500 MG/L 12  THALLIUM 7440-28-0 EPA AMBIENT AMGC H S 13.000 UG/L 9  THEOPHYLLINE 58-55-9 NEW YORK AMBIENT AMGS H S .100 MG/L 12  THIOCYANATES USSR DM MPC H S .100 MG/L 12  THIOCYANATES USSR DM MPC H S .100 MG/L 12  THIOCHENE 110-02-1 USSR DM MPC A S .2000 MG/L 12  THIOPHENE 110-02-1 USSR DM MPC A S .2000 MG/L 12  THIOPHENE 110-02-1 USSR DM MPC A S .1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS MEU YORK GM AMBIENT AMGC H S .1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS MEU YORK GM MEU MRIENT AMGC H S .1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS MRIENT AMGC H S .1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS MRIENT AMGC H S .1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS MRIENT AMGC H S .1.750 UG/L 7 MALT MRIENT AMGC H S .1.750 UG/L 7 MRIT MRIENT AMGC H S .1.750 UG/L 7 MRIT MRIENT AMGC H S .1.750 UG/L 7 MRIT MRIT MRIT MRIT MRIT MRIT MRIT MRIT				D <b>U</b>	MPC .	H	S		F-5049 400	12
TETRANITROMETHANE 509-14-8 USSR DN MPC A S .500 Mg/L 12  THALLIUM 7440-28-0 EPA AMBIENT AMGC H S 13,000 UG/L 9  THEOPHYLLINE 58-55-9 NEW YORK AMBIENT AMGS H S 40,000 UG/L 16  THIOCYANATES USSR DN MPC H S .100 MG/L 12  THIODICARB MACA GN HGL H P .300 MG/L 22  THIODICARB 110-02-1 USSR DN MPC A S 2,000 MG/L 12  THIOPHENE 110-02-1 USSR DN MG/L 22  THIOPHENE 110-02-1 USSR DN MG/L 12  THIRAM 137-26-8 EPA DN SNAEL H S 1,750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DN AL H S 100,000 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DN AL H S 12,100,000 UG/L 7  MALT C H S 12,100,000 UG/L 7  MAL O H S 3,460,000 UG/L 7  MAL C H S 3,460,000 UG/L 7  MALT C H S 3,460,000 UG/L 7		5 ==								
TETRANITROMETHAME 509-14-8 USSR DW MPC A S .500 MG/L 12  THALLIUM 7440-28-0 EPA AMBIENT AMGC H S 13.000 UG/L 9  THEOPHYLLINE 58-55-9 NEW YORK AMBIENT AMGS H S 40.000 UG/L 16  THIOCYAMATES USSR DW MPC H S .100 MG/L 12  THIOCICARB MACA GW MGL H P .300 MG/L 22  THIOPHEWE 110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM 137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWS H S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AMGC H S 14.300 MG/L 9  MAI C H S 21,500.000 UG/L 7  MAI C H S 3,460.000 UG/L 7	1993			DW	MPC	A	S	.050	MG/L	12
THALLIUM 7440-28-0 EPA AMBIENT AMC H S 13.000 UG/L 9  THEOPHYLLINE 58-55-9 MEW YORK AMBIENT AMCS H S 40.000 UG/L 16  THIOCYAMATES USSR DM MPC H S .100 MG/L 12  THIODICARB NACA GM HGL H P .300 MG/L 22  THIOPHENE 110-02-1 USSR DM MPC A S 2.000 MG/L 12  THIRAM 137-26-8 EPA DM SNAEL H S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DM AL H S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DM AL H S 10.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA LIFE A H S 2,500.000 UG/L 7 HA LIFE A H S 3,460.000 UG/L 7 HA LIFE A H S 2,000 MG/L 34 HCL H P 2.000 MG/L 34				********************		••••••	••••••			
THEOPHYLLINE   S8-55-9   NEW YORK   AMBIENT   AMQS   N   S   40.000   UG/L   16	509-14	-8	USSR	DU	MPC	Ā	S	.500	MG/L	12
THEOPHYLLINE 58-55-9 NEW YORK AMBIENT AWGS N S 40.000 UG/L 16  THIOCYANATES USSR DW MPC N S .100 MG/L 12  THIODICARB NACA GW HGL N P .300 MG/L 22  THIOPHENE 110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM 137-26-8 EPA DW SNAEL N S 1.750 UG/L 10 NEW YORK GW GWGS N S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DW AL N S 14.300 MG/L 9 DW MA LIFE N S 12,100.000 UG/L 7 MA LIFE N S 2,420.000 UG/L 7 MA LIFE N S 2,420.000 UG/L 7 MA LIFE N S 2,450.000 UG/L 7 MA LIFE N S 3,460.000 UG/L 7 MA LIFE N S 3,460.000 UG/L 7 MALT C N S 3,460.000 UG/L 7		THALLI	UM	****************						
THEOPHYLLINE 58-55-9 NEW YORK AMBIENT AMGS N S 40.000 UG/L 16  THIOCYAMATES USSR DW MPC N S .100 MG/L 12  THIODICARB NACA GM NGL N P .300 MG/L 22  THIOPHENE 110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM 137-26-8 EPA DW SNAEL N S 1.750 UG/L 10 NEW YORK GM GWS N S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DW AL N S 100.000 UG/L 3 EPA AMBIENT AMGC N S 12,100.000 UG/L 7 NA LIFE N S 2,420.000 UG/L 7 NA LIFE N S 2,420.000 UG/L 7 NA LIFE N S 2,1500.000 UG/L 7 NA LIFE N S 2,1500.000 UG/L 7 NA LIFE N S 2,1500.000 UG/L 7 NA LIFE N S 3,460.000 UG/L 7				AMBIENT	AUQC	H	\$	13.000	UG/L	9
THIOCYANATES USSR DM MPC H S .100 MG/L 12  THIODICARB MACA GM HGL H P .300 MG/L 22  THIOPHENE 110-02-1 USSR DM MPC A S 2.000 MG/L 12  THIRAM 137-26-8 EPA DM SNAEL H S 1.750 UG/L 10  NEW YORK GM GM GMQS H S 1.750 UG/L 16  TOLUENE 108-88-3 CALIFORNIA ST. DHS DM AL H S 100.000 UG/L 3 EPA AMBIENT AMCC H S 12,100.000 UG/L 7 HA LIFE H S 2,420.000 UG/L 7 HA1 C H S 3,460.000 UG/L 7 HA1 C H S 3,460.000 UG/L 7 HA1 C H C H C H C H C H C H C H C H C H C H										•••••
USSR DW MPC H S .100 MG/L 12  THIODICARB  NACA GW HGL H P .300 MG/L 22  THIOPHENE  110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWOS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AWGC H S 14.300 MG/L 9  DW HA LIFE H S 12,100.000 UG/L 7  HA LIFE A H S 2,420.000 UG/L 7  HA1 C H S 3,460.000 UG/L 7	58-55-	9	NEW YORK	AMBIENT	AWQS	H	S	40.000	UG/L	16
USSR DW MPC H S .100 MG/L 12  THIODICARB  NACA GW HGL H P .300 MG/L 22  THIOPHENE  110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWOS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AWGC H S 14.300 MG/L 9  DW HA LIFE H S 12,100.000 UG/L 7  HA LIFE A H S 2,420.000 UG/L 7  HA1 C H S 3,460.000 UG/L 7		THIOCY	ANATES	••••••		•••••	•••••			
THIOPHENE  110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWOS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AWGC H S 14.300 MG/L 9  DW HA LIFE H S 12,100.000 UG/L 7  HA1 C H S 21,500.000 UG/L 7  HA1 C H S 3,460.000 UG/L 7				DU	MPC	H	S	.100	MG/L	12
THIOPHENE  110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWOS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AWGC H S 14.300 MG/L 9  DW HA LIFE H S 12,100.000 UG/L 7  HA1 C H S 21,500.000 UG/L 7  HA1 C H S 3,460.000 UG/L 7		THIODI	CARR			********	• • • • • • • • • • • • • • • • • • • •			
THIOPHENE  110-02-1 USSR DW MPC A S 2.000 MG/L 12  THIRAM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10 NEW YORK GW GWS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3 EPA AMBIENT AWGC H S 14.300 MG/L 9 DW HA LIFE H S 12,100.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA1 C H S 21,500.000 UG/L 7 HA1 C H S 3,460.000 UG/L 7			NACA	GM	HGL	H	P	.300	MG/L	22
THIRAM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWGS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AWGC H S 14.300 MG/L 9  DW HA LIFE H S 12,100.000 UG/L 7  HA LIFE A H S 2,420.000 UG/L 7  HA1 C H S 3,460.000 UG/L 7  HA10 C H S 3,460.000 UG/L 7				***************************************					•••••	•••••
THIRAM  137-26-8 EPA DW SNAEL H S 1.750 UG/L 10  NEW YORK GW GWGS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3  EPA AMBIENT AWGC H S 14.300 MG/L 9  DW HA LIFE H S 12,100.000 UG/L 7  HA LIFE A H S 2,420.000 UG/L 7  HA1 C H S 3,460.000 UG/L 7				DW	MPC	A	S	2.000	MG/L	12
137-26-8 EPA DW SNAEL H S 1.750 UG/L 10 NEW YORK GW GWGS H S 1.750 UG/L 16  TOLUENE  108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3 EPA AMBIENT AWGC H S 14.300 MG/L 9 DW HA LIFE H S 12,100.000 UG/L 7 HAA LIFE A H S 2,420.000 UG/L 7 HA1 C H S 21,500.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7				••••••	**************	*********				••••••
TOLUENE  108-88-3	137-26	-8					5			10
108-88-3 CALIFORNIA ST. DHS DW AL H S 100.000 UG/L 3 EPA AMBIENT AWQC H S 14.300 MG/L 9 DW HA LIFE H S 12,100.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA1 C H S 21,500.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HALT C H S 2.000 MG/L 34 MCLG H P 2.000 MG/L 34			NEW YORK	CU	GMQS	H	S	1.750	UG/L	16
EPA AMBIENT AUGC H S 14.300 MG/L 9 DW HA LIFE H S 12,100.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA1 C H S 21,500.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 MCL H P 2.000 MG/L 34 MCLG H P 2.000 MG/L 8		TOLUEN	E	••••••						
DW HA LIFE H S 12,100.000 UG/L 7 HA LIFE A H S 2,420.000 UG/L 7 HA1 C H S 21,500.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HCL H P 2.000 MG/L 34 MCLG H P 2.000 MG/L 8	108-88	-3	CALIFORNIA ST. DHS	DW	AL	н	S	100.000	UG/L	3
HA LIFE A H S 2,420.000 UG/L 7 HA1 C H S 21,500.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HCL H P 2.000 MG/L 34 MCLG H P 2.000 MG/L 8			EPA	AMBIENT	ANOC	H	S	14.300	MG/L	
HA1 C H S 21,500.000 UG/L 7 HA10 C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HCL H P 2.000 HG/L 34 HCLG H P 2.000 HG/L 8				DW	HA LIFE	H	S	12,100.000	UG/L	7
HA10 C H S 3,460.000 UG/L 7 HALT C H S 3,460.000 UG/L 7 HCL H P 2.000 HG/L 34 HCLG H P 2.000 HG/L 8					HA LIFE A	H	S			7
HALT C H S 3,460.000 UG/L 7  NGL H P 2.000 NG/L 34  NGLG H P 2.000 NG/L 8					HA1 C	H	S	21,500.000	UG/L	7
MCL H P 2.000 MG/L 34 MCLG H P 2.000 MG/L 8					HA10 C	H	S	3,460.000	UG/L	7
MCLG H P 2.000 MG/L 8					HALT C	H	S	3,460.000	UG/L	7
					MCL	H	P	2.000	MG/L	34
THE PROPERTY OF THE PROPERTY O					MCLG	H	P	2.000	MG/L	8
SMCL A P .040 MG/L 34					SMCL	A	P	.040	MG/L	34

CHEM	IICAL							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
****	•••••		••••				•••	
TOLU	JENE							
108-88-3	HEW	DW	AO .	A	S	.024	MG/L	5
	MOE	DW	AO	A	S	.024	MG/L	1
	NAS	DW	SHARL 7	H	S	35,000.000	UG/L	11
			SHARL CHR	H	\$	340.000	UG/L	11
	USSR	DW	NPC	A	S	.500	MG/L	12
TOTA	L COLIFORMS				••••••			
	EEC	DW	MADC	H	S	.000	COUNT/ML	6
	NEW JERSEY	GH	GW1	A	S	.040	COUNT/ML	21
TOTA	L DISSOLVED SOLIDS					*************		••••••
	EPA	DW	SMCL	A	S	500.000	MG/L	28
	HEU	DW	AO	A	S	500.000	MG/L	5
	MOE	DW	MDC	A	S	500.000	MG/L	1
	NEW JERSEY	GH	GL/1	A	S	100.000	MG/L	21
			GH2	A	S	500.000	MG/L	21
TOTA	L ORGANIC CARBON							
	MOE	DW	MDC	A	S	5.000	MG/L	1
TOXA	PHENE					••••••		
8001-35-2	ALAJA	DW	ELLTC	H	P	.005	MG/L	23
			ELSTC	H	P	1.400	MG/L	23
	EPA	AMBIENT	ALIQC	H	S	.710	NG/L **	9
		DW	DWEL	H	S	112.000	UG/L	7
			HA1 C	H	S	500.000	VIVACUIA NODE-	7
			HA10 C	H	S	40.000	UG/L	7
			MCL	H	S	.005	MG/L	13
			MCLG	H	P	.000	MG/L	8
			SNAEL	H	S	.440	UG/L	10
	FLORIDA ST.	DM	MCL	H	S		MG/L	2
	MOE	DW	MAC	H	S	.005	MG/L	1
	NEW JERSEY	GM.	GW1	A	S		UG/L	21
			GM2	A	S		UG/L	21
			GLIS	A	\$		UG/L	21
	NEW YORK	DW	MCL	H	S	5.000	UG/L	25
TRIA	DIMEFON							
	NACA	GW	HGL	н	P	.250	MG/L	22
TRIA	LLATE	***************************************	••••••	•••••	•••••	•••••••		
,	HEW	DW	MAC	н	S	.230	MG/L	5
		-5000	-75-77.87°	260	1975		1.1000mm()(m)	E50

MOE

DW

# ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 ########

CHEMICAL LTYPE STATUS CATEGORY LIMIT VALUE UOH REFCORE CAS# AGENCY .... ..... ..... TRIALLATE .230 MG/L MOE TRIBUTYL PHOSPHATE 12 NPC : A S .010 MG/L 126-73-8 USSR DW TRICHLORFON 22 1.250 MG/L H HGI TRICHLOROBENZENE(1,2,4) 10.000 UG/L 16 AMBIENT AUQS A S NEW YORK TRICHLOROBENZENES 16 10.000 UG/L AUOS AMBIENT NEW YORK 12 30.000 MG/L н S MPC USSR DW TRICHLOROETHANE(1,1,1) S 1,000.000 UG/L 3 SNAEL H 71-55-6 CALIFORNIA ST. DHS 9 H S 18.400 MG/L AMBIENT AUQC EPA 7 S 1,000.000 UG/L HA LIFE H DW 200.000 UG/L 7 HA LIFE A H S 140,000.000 UG/L 7 S HA1 C H 35,000.000 UG/L 7 HA10 C H S 7 125,000.000 UG/L HALT A H S 7 HALT C 35,000.000 UG/L H S 200.000 UG/L 20 S H MCL 200.000 UG/L 8 Ħ S MCLG Ŝ 200.000 UG/L 2 MCL FLORIDA ST. TRICHLOROETHANE(1,1,2) .600 UG/L \*\* 9 AMBIENT 79-00-5 EPA .600 UG/L 16 AMBIENT AUQS S NEW YORK ......... TRICHLOROETHYLENE 5.000 UG/L 3 79-01-6 CALIFORNIA ST. DHS AL S 2.700 UG/L \*\* 9 AWQC S EPA AMBIENT 260.000 UG/L 7 HA LIFE S 5.000 UG/L 20. MCL S S .000 UG/L 8 MCLG S 3.000 UG/L 2 MCL DW FLORIDA ST. H S 50.000 UG/L MAC DW HEW 50.000 UG/L MAC

CHEMICAL REFCODE LIMIT LTYPE STATUS VALUE UOM CATEGORY CAS# AGENCY ..... TRICHLOROETHYLENE 79-01-6 NAS SMARL 7 15,000.000 UG/L 11 NEW YORK GH 10.000 UG/L .500 MG/L 12 USSR DW MPC .030 MG/L DU TRICHLOROMETAPHOS-3 12 .400 MG/L A S TRICHLOROPHENOL 12 USSR A .400 UG/L DW TRICHLOROPHENOL(2,4,5) AUQC 2,600.000 UG/L AMBIENT H S TRICHLOROPHENOL(2,4,6) 1.200 UG/L \*\* 9 88-06-2 AMBIENT AWQC HEW AO .002 MG/L 5 .005 MG/L MAC 1 MOE AO .002 MG/L .005 MG/L MAC H S 17.500 MG/L 24 NIOSH H S DW SNARL 1 10.000 UG/L MHO S DW 10.000 UG/L 2 TRICHLOROPROPANE(1,2,3) 19 96-18-4 HAWAII LTAL P 2,000.000 NG/L LTG M 800.000 NG/L 19 8,000.000 NG/L 19 STAL TRICLOPYR 22 .250 MG/L HGL P TRIETHANOLAMINE 12 TRIETHYLAMINE 12 121-44-8 USSR 2.000 MG/L TRIFLUOROCHLOROMETHANE 150.000 UG/L 75-69-4 CALIFORNIA ST. DHS MCL DW P

7440-33-7 USSR

### ###### PALIS SYSTEM PARAMETER REPORT --- 10/16/90 #######

CHEMICAL CATEGORY LTYPE STATUS LIMIT CAS# AGENCY ----------...... ..... TRIFLUOROCHLOROPROPANE 12 .100 MG/L USSR TRIFLURALIN 87.000 UG/L 27 DW ... HA LIFE 1582-09-8 EPA H S 2.000 UG/L 27 H S HA LIFE A .025 MG/L н S 27 HA1 C .025 MG/L H S 27 HA10 C S .025 MG/L 27 HALT C S .035 MG/L 10 5 H&U IMAC P .045 MG/L DW 1 MOF IMAC .045 MG/L DW 22 NACA HGL 1.000 MG/L C 35.000 UG/L NEW YORK CHOS CH TRIHALOMETHANES .100 MG/L + 3 CALIFORNIA ST. DHS DW MCL H S .100 MG/L + S EPA DW MCL H .100 MG/L + 2 MCL H S FLORIDA ST. DW s 5 .350 MG/L + HEU MAC DW .350 MG/L + MOF DW MAC TRINITROMETHANE .010 MG/L MPC S 517-25-9 USSR DW ...... TRINITROPHENOL 4.900 MG/L 24 S NIOSH SNARL 1 .200 MG/L 24 S TRINITROTOLUENE 23 .005 MG/L ELLTC 118-96-7 AMMA 23 ELSTC TRITIUM 20,000.000 PCI/L 2 10028-17-8 FLORIDA ST. DW MCL 40,000.000 BECQ/L HEW 5 DW MAC H S 40,000.000 BECQ/L 1 MOE MAC S 20,000.000 PCI/L AMBIENT NEW YORK S AWOS TUNGSTEN .100 MG/L 12

MPC

H S

Cn	ENICAL							
••	*****							
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	UOM	REFCODE
	•••••	•••••				••••	•••	
TU	RBIDITY							
	EEC	DW	GL	A	S	1.000	MG/L	6
			MADC	A	S	10.000	MG/L	6
	EPA	DW	NCL	н	S	1.500	NTU	28
			MCLG	н	P	.100	NTU	8
	HEW	DW	AO	A	S	5.000		5
			MAC	н	S	1.000		5
	NOE	DW	MAC	н	S	1.000		í
	VHO	DW	GV	(57)	S	5.000		4
•••••	••••••				- 			
TU	RPENTINE							
	USSR	DW	MPC	A	S	.200	MG/L	12
• • • • • • • • • • • • • • • • • • • •								•••••
UR	ANIUM							
7440-61-1	H&U	DW	MAC	н	S	.100	MG/L	5
	MOE	DW	MAC	н	S		MG/L	1
•••••	•••••	•••••			1.75			
UR	OTROPIN						•	
	USSR	DW	MPC	H	S	.500	MG/L	12
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••					
VAI	NADIUM							
7440-62-2	USSR	DW	MPC	H	S	.100	MG/L	12
••••••	• • • • • • • • • • • • • • • • • • • •	•••••	•••••		•••••			
VII	CLOZOLIN							
	NACA	GM	HGL	н	P	2,430	MG/L	22
	• • • • • • • • • • • • • • • • • • • •						•••••	
VI	YL ACETATE							
108-05-4	USSR	DW	MPC	н	S	.200	MG/L	12
			••••••		- 		•••••	
VIA	IYL CHLORIDE							
75-01-4	CALIFORNIA ST. DHS	DW	AL	H	S	2.000	UG/L	3
	EPA	AMBIENT	AWQC	H	s		UG/L **	
	(E) **	DW	HA1 C		s	2,600.000		7
			MA10 C		S	2,600.000		7
			HALT A		s	46.000		7
			HALT C	H	S	13.000		7
			MCL	H	S	2.000		20
	FLORIDA ST.	N.	MCLG	H	S	.000		8
	COUNTY OF THE VALOR OF THE VALO		MCL	162	S	1.000		2
	NAS	DW	SNARL CHR		S		UG/L **	
	NEW YORK	DW	ASL1		S	5.000	30	26
			ASL2	H	S	1.000	UG/L	26

CHEMI								
CAS#	AGENCY	CATEGORY	LIMIT	LTYPE	STATUS	VALUE	MON	REFCODE
			••••		•••••	••••	•••	******
VINYL			coc	н	s	5.000	HG/I	16
75-01-4		GW	GMOS		•			
XYLE	(E							
1330-20-7	EPA	DW	NA LIFE	M	S	2,200.000	UG/L	7
			NA LIFE A	H	S	400.000	UG/L	7
			HA1 C	H	. <b>S</b>	12,000.000		7
			HA10 C	H	S	7,800.000		7
			HALT A	H	S	27,300.000		7
			HALT C	H	S	7,800.000		7
			MCL	H	P	10.000	MG/L	34
			MCLG	H	P	.440	MG/L	. 8
			SMCL	٨	P	.020		34
	NEW YORK	DW	ASL1	H		50.000		26
			ASLZ	H		10.000		26
	USSR	DW	MPC	Α	S	.050	MG/L	12
XYLF	IE(META)							
108-38-3	28 190 M M - 12 11 10 10 10 M	DW	AL	H	S	.620	MG/L	3
XYLEN	F(ORTHO)							
95-47-6		DW	AL	H	S	.620	MG/L	3
	iE(PARA)							
	CALIFORNIA ST. DHS	DY	AL	н	S	.620	MG/L	3
XYLEN								
	HEW	DW	AO	A	S	.300	MG/L	5
	MOE	DW	<b>AO</b>	A	S	.300	MG/L	1
ZINC								•••••
7440-66-6		DW	GL	A	s	100,000	UG/L	6
1440 00 0	EPA	DV	SHCL	Ã	s		MG/L	28
	HEU	DV	AO	Â	s	5.000		5
	HOE	DW	MDC	Ä	s		MG/L	1
	NEW YORK	AMBIENT	AUQS	И	s	300.000		16
		DW	MAC	A	S		MG/L	25
		CN CN	CHOS	H	s		MG/L	16
	USSR	DW	MPC	н	s		MG/L	12
	WHO	DW	GV	A	s		MG/L	4
	***************************************							•••••
	AND COMPOUNDS			126	_		MC **	24
7440-66-6+	NEW JERSEY	GM	GW1	A	S	5.000	MG/L	21

EPA

DW

# ###### PALIS SYSTEM PARAMETER REPORT---10/16/90 #######

CHEMICAL LIMIT LTYPE STATUS REFCODE AGENCY VALUE UOM CATEGORY CAS# .... ..... -----...... ZINC AND COMPOUNDS 7440-66-6+ NEW JERSEY GH2 5.000 MG/L 21 GLIS 5.000 MG/L ------ZINEB CHOS 1.750 UG/L N S NEW YORK GW 4.180 UG/L 16 NEW YORK GWQS H S ZIRAM(AND FERBAM)

SNAEL

H S

.004 MG/L

## ####### PALIS SYSTEM ALIAS REPORT---11/05/90 #######

PARM	CAS	FULLNAME	SYN
(4-CHLORO-O-TOLOXY)ACETIC ACID	94-74-6	(4-CHLORO-O-TOLOXY)ACETIC ACID	(4-CHLORO-2-METHYLPHENOXY)ACETIC 2-METHYL-4-CHLOROPHENOXYACETIC AGROXONE MCP MCPA METHOXONE
1,1,2TRICHLOR1,2,2TRIFLUOROETHAN		1,1,2TRICHLOR1,2,2TRIFLUOROETHAN	FREON 113
2,4,5-T	93-76-5	2,4,5-T	(TRICHLOROPHENOXY)ACETIC ACID
2,4,5-TP	93-72-1	2,4,5-TP	(TRICHLOROPHENOXY)PROPIONIC ACID SILVEX
2,4-D	94-75-7	2,4-D	(DICHLOROPHENOXY)ACETIC ACID 2,4-D
2,4-DICHLOROPHENOXYBUTYRIC ACID		2,4-DICHLOROPHENOXYBUTYRIC ACID	2,4-DB
3-CHLORO-1,2-PROPANEDIOL	96-24-2	3-CHLORO-1,2-PROPANEDIOL	MONOCHLOROHYDRIN
AMETRYN	834-12-8	AMETRYN	AMETREX AMETRYNE
BENTAZON	25057-89-0	BENTAZON	BENTAZONE
BHC(ALPHA)	319-84-6	BHC(ALPHA)	ALPHA-BENZENE HEXACHLORIDE HEXACHLOROCYCLOHEXANE(ALPHA)
BHC(BETA)		BHC(BETA)	BETA-BENZENE HEXACHLORIDE HEXACHLOROCYCLOHEXANE(BETA)
BHC(TECHNICAL)		BHC(TECHNICAL)	HEXACHLOROCYCLOHEXANE(TECHNICAL)
CARBARYL	63-25-2	CARBARYL	SEVIN
CARBOPHENOTHION	786-19-6	CARBOPHENOTHION	TRITHION
CHLORAMBEN		CHLORAMBEN	AMBIBEN AMIBEN AMIBIN AMOBEN CHLORAMBED CHLORAMBENE
CHLOROBENZENE	108-90-7	CHLOROBENZENE	MONOCHLOROBENZENE
CHLOROPROPHAM		CHLOROPROPHAM	CIPC ISOPROPYL N(3-CHLOROPHENYL)CARBA
CYANAZINE	21725-46-2	CYANAZINE	BLADEX

# ###### PALIS SYSTEM ALIAS REPORT---11/05/90 #######

PARM		CAS	FULLNAME	SYN
CYCLOH	EXYLCHLORIDE	542-18-7	CYCLOHEXYLCHLORIDE	CHLOROCYCLOHEXANE
CYCLON	ITE	121-82-4	CYCLONITE	HEXOGEN
DACTHA	L		DACTHAL	CHLOROTHAL DACTHALOR DCP DCPA
DALAPO	N	75-99-0	DALAPON	DICHLOROPROPIONIC(2,2) ACID
DBCP		96-12-8	DBCP	1,2-DIBROMO-3-CHLOROPROPANE 3-CHLORO-1,2-DIBROMOPROPANE FUMAZONE NEMAFUME NEMAGON
DEMETO	N	8065-48-3	DEMETON	MERCAPTOPHOS
DI-ALL	ATE	2303-16-4	DI-ALLATE	AVADEX
DICHLO	NE	117-80-6	DICHLONE	2,3-DICHLORO-1,4-NAPHTHO
DICHLO	ROBENZENE(1,2)	95-50-1	1,2-DICHLOROBENZENE	O-DICHLOROBENZENE ORTHO-DICHLOROBENZENE
DICHLO	ROBENZENE(1,4)	106-46-7	1,4-DICHLOROBENZENE	PARA-DICHLOROBENZENE
DICHLO	ROETHANE(1,2)	107-06-2	1,2-DICHLOROETHANE	DICHLOROETHANE-1,2 ETHYLENE DICHLORIDE SYM-DICHLOROETHANE
DICHLO	ROETHYLENE(1,1)	75-35-4	1,1-DICHLOROETHYLENE	1,1-DICHLOROETHENE
DICHLO	ROETHYLENE(1,2-CIS)	156-59-2	1,2-DICHLOROETHYLENE CIS	1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHYLENE
DICHLO	ROETHYLENE(1,2-TRANS)	156-60-5	1,2-DICHLOROETHYLENE TRANS	TRANS-1,2-DICHLOROETHYLENE
DICHLO	ROPHENOL(2,4)	120-83-2	2,4-DICHLOROPHENOL	DICHLOROPHENOL 2,4
DIOXIN	(D2CDD)		D2CD0	DICHLORODIBENZO-P-DIOXIN
DIOXIN	(H6CDD)		H6CDD	HEXACHLOROD I BENZO-P-D TOX IN

### ###### PALIS SYSTEM ALIAS REPORT---11/05/90 #######

	PARM	CAS	FULLNAME	SYN
		•••	********	***
	DIOXIN(M1CDD)		M1CDD	MONOCHLORODIBENZO-P-DIOXIN
	DIOXIN(OSCDD)		08CDD	OCTACHLORODIBENZO-P-DIOXIN
	DIOXIN(P5CDD)		P5CD0	PENTACHLORODIBENZO-P-DIOXIN
	DIOXIN(T3CDD)		T3CD0	TRICHLORODIBENZO-P-DIOXIN
	DIOXIN(T4CDD)		T4CD0	TETRACHLORODIBENZO-P-DIOXIN
	ETUVI AMTUE	<b>35</b> 0/ <b>7</b>	PTUVI AMTHE	MONOETHYLAMINE
	ETHYLAMINE	75-04-7	ETHYLAMINE	HUNDETH LAMINE
	ETHYLENE DIBROMIDE	106-93-4	ETHYLENE DIBROMIDE	1,2-DIBROMOMETHANE
	THE DISKONISE	100 75 4	Elimetat Diokonie	EDB
	FURAN(D2CDF)		D2CDF	DICHLORODIBENZOFURAN
	FURAN(H6CDF)		H6CDF	HEXACHLOROD I BENZOFURAN
				MONOCHI ODGO I DENZOEUDAN
	FURAN(M1CDF)		M1CDF	MONOCHLOROD I BENZOFURAN
	FURAN(OSCDF)		08CD F	OCTACHLORODIBENZOFURAN
	TORAN (GGDF)			
	FURAN(P5CDF)		P5CDF	PENTACHLOROD I BENZOFURAN
	FURAN(T3CDF)		13CDF	TRICHLORODIBENZOFURAN
	FURAN(T4CDF)		T4CDF	TETRACHLOROD I BENZOFURAN
	HEPTACHLOR & HEPTACHLOR EPOXIDE	76-44-8+HE	HEPTACHLOR & HEPTACHLOR EPOXIDE	HEPTACHLOR
		*************		
	LINDANE	58-89-9	LINDANE	HEXACHLOROCYCLOHEXANE-GAMMA
				20 2 22
	METHACRYLIC ACID	79-41-4	METHACRYLIC ACID	METHYL METHACRYLATE
	METHYL DEMETON	8022-00-2	METHYL DEMETON	METHYL SYSTOX
		202 00 0		METADURE
	METHYL PARATHION	298-00-0	METHYL PARATHION	METAPHOS
227		75-09-2	METHYLENE CHLORIDE	DICHLOROMETHANE

## ####### PALIS SYSTEM ALIAS REPORT---11/05/90 #######

	PARM	CAS	FULLNAME	SYN
	••••	•••		
	NAPHTHOL(2)	135-19-3	2-NAPHTHOL	B-NAPHTHOL
	PARATHION	56-38-2	PARATHION	THIOPHOS
•••••				
	PCB		PCB	PCB'S
				POLYCHLORINATED BIPHENYL
	PENTACHLORON I TROBENZENE	82-68-8	PENTACHLORONITROBENZENE	TERRACHLOR
		_		
	PENTACHLOROPHENOL	87-86-5	PENTACHLOROPHENOL	PCP
	1.22 Per 2004 12 20 21			DOMETRINE
	PROMETRYNE	7287-19-6	PROMETRYNE	PROMETRINE
			10.10.1014/0.2.00.200	
	PROPAZIN		PROPAZIN	PROPAZINE
		127912-1279-12		
	PROPOXUR	114-26-1	PROPOXUR	BAYGON
	2072.2			OU DUATE
	SULFATE		SULFATE	SULPHATE
				CIN FATE
	SULPHATE		SULPHATE	SULFATE
	Personale			4 2 7 TOLCHI COCCOCCANE
	TCP		TCP	1,2,3-TRICHLOROPROPANE
	TETRACHLOROETHANE(1,1,2,2)	79-34-5	1,1,2,2-TETRACHLOROETHANE	ACETYLENE TETRACHLORIDE
		79-34-5		ACETYLENE TETRACHLORIDE BONOFORM CELLON
		79-34-5		ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE
		79-34-5		ACETYLENE TETRACHLORIDE BONOFORM CELLON
	TETRACHLOROETHANE(1,1,2,2)		1,1,2,2-TETRACHLOROETHANE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE
		79-34-5 127-18-4		ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE
	TETRACHLOROETHANE(1,1,2,2) TETRACHLORGETHYLENE	127-18-4	1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHYLENE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE TETRACHLOROETHANE
	TETRACHLOROETHANE(1,1,2,2)	127-18-4	1,1,2,2-TETRACHLOROETHANE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE
	TETRACHLOROETHANE(1,1,2,2)  TETRACHLOROETHYLENE  TRICHLOROETHYLENE	127-18-4 79-01-6	1,1,2,2-TETRACHLOROETHANE  TETRACHLOROETHYLENE  TRICHLOROETHYLENE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE TETRACHLOROETHENE TRICHLOROETHENE
	TETRACHLOROETHANE(1,1,2,2)  TETRACHLOROETHYLENE  TRICHLOROETHYLENE	127-18-4 79-01-6	1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHYLENE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE TETRACHLOROETHANE
	TETRACHLOROETHANE(1,1,2,2)  TETRACHLOROETHYLENE  TRICHLOROETHYLENE  TRIFLUOROCHLOROMETHANE	127-18-4 79-01-6 75-69-4	1,1,2,2-TETRACHLOROETHANE  TETRACHLOROETHYLENE  TRICHLOROETHYLENE  TRIFLUOROCHLOROMETHANE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE  TETRACHLOROETHENE  TRICHLOROETHENE  FREON 11
	TETRACHLOROETHANE(1,1,2,2)  TETRACHLOROETHYLENE  TRICHLOROETHYLENE	127-18-4 79-01-6	1,1,2,2-TETRACHLOROETHANE  TETRACHLOROETHYLENE  TRICHLOROETHYLENE	ACETYLENE TETRACHLORIDE BONOFORM CELLON SYM-TETRACHLOROETHANE TETRACHLOROETHANE TETRACHLOROETHENE TRICHLOROETHENE

## **FOOTNOTES**

*	limit represents a cancer risk of less than 1x10 <sup>-5</sup> for a lifetime exposure
**	limit presented as a 1x10 <sup>-6</sup> risk level
+	term "trihalomethanes" comprises chloroform, bromodichloromethane, chlorodibromomethane, and bromoform
++	limit based on 5% of the maximum allowable daily intake (10pg/kg/day) for a 60 kg individual consuming 2 L/day
***	total kjeldahl nitrogen minus ammonia nitrogen
*	limit based on a 1x10 <sup>-6</sup> cancer risk
#	limit based on a 4 kg infant
###	as MG/L SiO2
+++	pH is quoted as a range from 6.5-8.5

## TABLE 1

## UNITS OF MEASURE

MG/L	milligrams per litre (parts per million)
UG/L	micrograms per litre (parts per billion)
NG/L	nanograms per litre (parts per trillion)
PG/L	picograms per litre (parts per quadrillion)
NTU	nephelometric turbidity unit
FTU	formazin turbidity unit
BECQ/L	becquerel per litre (1 BECQ/L = 27 PCI/L)
PCI/L	picocurie per litre
D#	dilution number at 25 °C
F/L	fibres per litre
us/CM	microsiemens per centimetre at 20 °C
TCU	true colour units (platinum cobalt scale)
L/M3	litres per cubic metre
STDU	standard unit of measure

TABLE 2

## PALIS SYSTEM REFERENCE FILE REPORT

Refcode	Reference
1	Ontario Drinking Water Objectives, draft revision 1990, Ontario Ministry of the Environment, ISBN 0-7743-8985-0.
2	Public Drinking Water Systems, DER 1984, 17-22.104(1) 17-22.104(1)(a)3 (Florida State).
3	California State Department of Health Services, Sanitary Engineering Branch, Revision 110483.
4	Guidelines For Drinking Water Quality Volume1: Recommendations, World Health Organization, 1984 ISBN 92 4 154168 7.
5	Guidelines for Canadian Drinking Water Quality 1978, Ministry of National Health and Welfare ISBN 0-660-10429-6 (updated 1988).
6	EEC Drinking Water Directive, International Environment Reporter, January 14, 1981, 151:0706 151:0712.
7	United States Environmental Protection Agency Health Advisories, Office of Drinking Water, March 31, 1987
8	EPA Moves Toward Final Drinking Water Regs, AWWA Mainstream, December 1985.
9	Ambient Water Quality Criteria, U.S. Environmental Protection Agency, Office of Water Regulations and Standards, Update 1.0 September 2, 1986.
10	Organic Pesticides and Other Organic Contaminants in Drinking Water, Concentration, Toxicity and Suggested No-Adverse-Effect Levels, Drinking Water and Health, National Academy of Science.
11	Limits for Target Organics in Drinking Water, Journal AWWA volume 77#7 pp.88-96, 1985.
12	The Maximum Permissable Concentrations in the USSR for Harmful Substances in Drinking Water, D. Stofen, Toxicology 1, pp. 187-195, 1973.

Refcode	Reference
13	Comparison of United States and Canada Drinking Water Regulations, Edward J. Calabrese, Regulatory Toxicology and Pharmacology 3, pp. 417-427, 1983.
14	Pesticides Interim Guideline Concentrations, Issue Report - Pesticides In Well Water, January 9, 1986, 86/IR-008 (superseded by update to reference 5).
15	Memo Re: Gloucester Waste Disposal Site Clean Up - Water Quality Objectives, Dr. E. McCloskey, Ontario Ministry of Labour, May 1987.
16	Water Quality Regulations, Surface Water and Groundwater Classifications and Standards, New York State, Department of Environmental Conservation.
17	Interim Drinking Water Guidelines Province of Ontario, Provided by Health and Welfare Canada, August 1986.
18	Proposed IMAC for PCDDs and PCDFs in Drinking Water Fact Sheet on Dioxin - Dioxin Background, Ontario Ministry of Environment, 1986.
19	Organic Contamination in Groundwater, Journal AWWA Volume 79 pp. 37-42, August 1987.
20	Information Alert - Volatile Organic Compounds From US Environmental Protection Agency, R. MacFarlane, Hazardous Contaminants Branch, Ontario Ministry of Environment, July 1987.
21	Ground Water Quality Protection, State and Local Strategies, National Academy Press, Washington D.C. 1986.
22	Information Alert - Pesticides From National Agricultural Chemicals Association, R. MacFarlane, Hazardous Contaminants Branch, Ontario Ministry of Environment, November 1985.
23	Handling the Threat of Contaminated Water Supplies, Opflow Volume 9 number 3 pp.3-4, March 1983.
24	Drinking Water and Health, Volume 4 pg.203, National Academy Press, Washington D.C. 1982.
25	10 NYCRR Part 5: Drinking Water Regulations, New York State Water Quality Regulations.

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Refcode	Reference
26	Organic Chemical Action Steps for Drinking Water, Bureau of Public Water Supply Protection, New York State Department of Health - Office of Public Health, December 1985.
27	Health Advisories on Pesticides, US Environmental Protection Agency, PB88-113543/LA, August 1987.
28	International Standards for Drinking Water, I.M. Sayre, Journal AWWA Volume 80 #1 pp.54-60, 1988
31	Maximum Contaminant Levels proposed for 12 additional chemicals, 1989. Chemical Regulation Reporter 13 (9): 644.
32	Environmental Protection Agency, 40 CFR parts 141 and 142, Drinking Water Regulations

#### APPENDIX 1

#### BACKGROUND INFORMATION ON GUIDELINE-SETTING PROCEDURES

#### INTRODUCTION

Even when drinking water is obtained from relatively unpolluted sources it can be expected to contain a wide variety of chemicals, both organic and inorganic, at very low concentrations. This knowledge has lead to concern about the possibility of long term health effects from consumption of such waters. Drinking Water standards, objectives or guidelines are designed to make sure that any water intended for human consumption contains no disease causing organisms, or hazardous concentrations of toxic chemicals or radioactive substances. Aesthetic parameters such as temperature, taste, odour and colour which determine the pleasantness of water to drink should also be controlled. Consumers may seek other, possibly hazardous sources of drinking water, if the municipal supply is aesthetically unsatisfactory.

Similarly other water quality guidelines may ensure that surface waters used as a source for drinking water and/or from which fish are eaten, and groundwaters contain no chemicals at levels that can be construed as hazardous.

Agencies may monitor for many different substances in drinking and other waters. While many chemicals may be reported as occurring in drinking waters throughout the world not all can be targeted for guidelines. Some are found sporadically, very few occur regularly. Substances for which drinking water guidelines are set generally are selected using certain criteria which may vary from agency to agency.

The selection criteria used by WHO are:

- documented evidence that the substance can cause acute or chronic illness
- evidence that the substance is known to occur in significant concentrations in drinking water
- 3. evidence that the substance has a relatively high frequency of detection in water
- availability of reliable analytical methods for monitoring and control purposes
- 5. evidence that the concentration of the substances in water can be controlled.

Prior to establishing any numerical limits, the risk of a substance to the population must be assessed. The potential hazard of a given chemical combined with the level of exposure are the two major components in defining the risk of adverse effects occurring in a given population.

#### HAZARD + EXPOSURE = RISK

Because hazard is a property of the chemical itself, if the risk to the population is unacceptable the exposure must change, and specific controls may be imposed in order to eliminate or reduce the risk to an acceptable level. One method of controlling exposure is to set guidelines for the amount of a chemical substance which is allowable in drinking water.

There are two major steps in the guideline-setting procedure - Hazard Assessment and Risk Assessment/Management.

#### HAZARD ASSESSMENT

The first step in guideline (numerical limit) development is therefore hazard assessment. This involves qualitative and quantitative analysis to determine the potential effect a chemical could have in terms of health, safety or environmental consequences. Data sources might include the results of animal or non-animal tests, results of epidemiological studies, physical and chemical properties and structure. There is considerable uncertainty associated with this process for the following reasons:

- types of health effects may vary with varying exposure and concentration of the same chemical
- different species of animals respond differently to the same concentration of the same chemical
- individuals of the same species may show a wide range in sensitivity to the same chemical
- not all studies reported in the literature are adequately designed or conducted
- chemicals can interact to enhance or diminish a toxic effect.

To determine the amount of a chemical substance that may be ingested without significant risk to the individual, a different approach is used for carcinogens (cancer causing substances) as opposed to non-carcinogens.

#### a) Acceptable Daily Intake-Safe Factor (ADI-SF) Approach

The Acceptable Daily Intake (ADI) of a chemical is defined as the dose that is anticipated to be without lifetime risk when taken daily. This approach is usually applied to substances which are non-carcinogens. It is based on the determination of the amount of chemical that shows no adverse effect in animal studies, known as the no-observed adverse effect level (NOAEL), divided by a suitable uncertainty (safety) factor. The uncertainty factor chosen can range from 10 to 10,000 or more depending on criteria such as:

- completeness of data
- nature of toxicological data
- severity of lesions
- chemical and kinetic characteristics
- differences in species response

ADI = NOAEL / safety factor (uncertainty)

Some examples of safety factors which may be applied are:

Differences between species		x10
Differences within species (sensitive members)	(additional)	x10
Sub-chronic to long term extrapolation	(additional)	x10
Non-reversible effects	(additional)	x2-x25

Safety factors, therefore, can be as small as 10 or as large as 25000.

In many instances, a qualitative assessment or professional judgement will be necessary when assigning the safety factors; this may differ from agency to agency, as may the criteria used and the magnitude of the safety factors. Thus, the ADI values developed by different agencies may not be the same.

The ADI-SF approach assumes a threshold in dose response (i.e. there is some dose or exposure where no adverse effect is observed). The safety factor provides the added confidence that no adverse effect will occur at lower levels of exposure even to the most sensitive members of the population.

#### b) Unit Risk Estimate Approach

In the case of carcinogens, the concept of "threshold" has not found wide acceptance i.e. it is felt that exposure to any level of the substance produces some effect. It is now more common to estimate the level of risk than it is to estimate the ADI for a carcinogen. This yields a 'unit risk estimate' rather than an ADI. Estimation of risk involves development of suitable dose-response data in a lifetime exposure (carcinogenicity) bioassay of animals and extrapolation from the observed dose-response to low-dose exposures in humans. A number of mathematical models may be used to estimate the dose that is expected to be associated with a specific level of risk ( probability ) of an adverse health outcome (eg. the linear one-hit model, the multi-stage model etc.); each model may provide a widely differing value for the same level of risk. For carcinogens, therefore, agreement between agencies on unit risk estimates will only be good if similar risk estimation models are used. Some agencies will have the risk assessment model which must be used to determine the guideline level specified by their regulations. A risk level of 1 in 100,000 or in 1,000,000 is commonly used in the calculations. The unit risk estimate is thus the amount of a chemical which may be ingested over a lifetime without significant risk.

Because of the number and magnitude of safety factors used in the ADI-SF approach and the nature of the risk assessment models, risks are usually overestimated rather than under estimated i.e. the levels of substances determined by either method to be without significant risk are highly conservative.

#### 2. RISK ASSESSMENT/MANAGEMENT

The second step of the evaluation process leading to a numerical limit (exposure limit) involves risk management. Development of a numerical limit for a substance in drinking water by a jurisdiction takes into account the ADI or unit risk estimates calculated for the substance under review and several other factors such as:

- estimates of intake of the contaminant via all routes of exposure (air, water, food and consumer products) and the percentage of the total daily intake that comes from the exposure route under consideration, in this case drinking water;
- local differences in exposures (variations in consumption patterns, specific sites with high level contamination etc.);
- existence of special populations at risk (pregnant women, infants, fish eaters, native population);

#### Page A5

- the level at which analytical methodologies can detect, measure and confirm the presence of the contaminant;
- the costs and benefits of restricting or banning a manufactured chemical;
- available treatment technologies; and
- constraints prescribed or implied in law regarding the intent, development and use of numerical limits.

Since the application of these factors will tend to vary from agency to agency, different numerical limits may well result, even if the same "ADI" or "unit risk estimate" is used initially.

#### Example:

#### DRINKING WATER GUIDELINE CALCULATION

Generally, drinking water is not the major source of exposure to chemicals and account must be made for exposure from food, air, occupation and lifestyle. Twenty percent of the ADI is customarily allocated to drinking water. Where most of the intake may be obtained from either air or food, as may be the case with pesticides, one percent is allocated to drinking water. For drinking water, most guidelines are based on the assumption that 2 litres/day will be consumed by a 70 kg person over a period of 70 years. Again these assumptions may vary slightly from jurisdiction to jurisdiction. Drinking water guidelines are determined based on the ADI or unit risk estimate of a chemical, as follows:-

ADI for a certain chemical or unit risk estimate = 10mg/day/kg (intake associated with a given level of risk)

ADI or unit risk estimate for a 70 kg man = 700 mg/day

20% allocation to drinking water = 140 mg/day

Assuming 2 litres/day consumption = 70 mg/litre

Hence: drinking water guideline for that chemical= 70 mg/litre

This value may be modified upon application of the other factors involved in risk assessment/management such as cost/benefits of restrictions, local conditions, available treatment technologies etc.

Although most agencies have the same general goals of protecting the public's health from pollutants in water, how they go about achieving their goals may vary markedly. A case in point is provided by drinking water guidelines for trihalomethanes (THM) developed by the USEPA and Canada. At the 100 ug/l MCL, EPA has estimated, using the multi-stage model for cancer risk estimates, that up to four cases of cancer (liver and/or kidney) may occur per 100,000 people who consume 2 litres of water per day over 70 years. The Canadian process used the more conservative linear one-hit model and at the 350 ug/l MAC, estimates predict that one cancer case (kidney) may occur per 2.5 million people per year who consume 2 litres of water per day; this amounts to 3.5 persons per 100,000 over 70 years if put into USEPA terminology. The level of 350 ug/l is considered a maximum level not to be exceeded while the 100 ug/l MCL of the EPA is applied to an average of four quarterly values. The Canadian standard is based on human health considerations, while in the EPA regulation compliance and the premise that control of THM levels during the water treatment process will also control levels of other chlorinated organics were also factors considered in setting the final limit.

It is of great potential benefit to compare and evaluate the guidelines developed by other agencies. It is, however, necessary to carefully examine and recognize the different approaches and assumptions used in establishing them and also to recognise the risk level associated with each guideline.

#### APPENDIX 2

#### ONTARIO DRINKING WATER OBJECTIVES @

Ontario Drinking Water Objectives were first approved by the Ontario Water Resources Commission in 1964. The parameters for which given objectives were developed, were principally those contained in the 1962 document "United States Public Health Service Drinking Water Standards". This document has also served as the basis for "Canadian Drinking Water Standards and Objectives" published in 1968. In 1974, a Federal/Provincial Working Group on Water was formed under the auspices of Federal/Provincial Advisory Committee on Environmental and Occupational Health. The Working Group was formed to ensure consistency in health parameters on a national scale. The parameters considered were chemical, physical, microbiological, radiological and aesthetic in nature. It was decided, after the latest (1978) Federal Guidelines for Drinking Water Quality were completed, to raise the status of the Working Group to a permanent Sub-Committee on Drinking Water.

The Federal/Provincial Sub-Committee on Drinking Water was established to:

- set priorities for parameters needing limits;
- review recommendations (based on toxicological data) put forward by Health and Welfare Canada; and
- ultimately arrive at a limit based on toxicological data, levels and frequency of occurrence and socio-economic considerations.

As new data becomes available, these guidelines are periodically reviewed.

Ontario usually adopts the Canadian Drinking Water Guidelines as Ontario Drinking Water Objectives, although for certain parameters Ontario's limits may be more stringent; further, Ontario may set its own limits for some substances, should the need arise.

extracted in part from a document prepared for the Hazardous Contaminants Coordination Branch by Bev Alder while on developmental assignment.

## Criteria for Ontario Drinking Water Objectives (ODWO)

There are three types of criteria set; MACs (Maximum Acceptable Concentrations), IMACs (Interim MACs) and MDCs (Maximum Desirable Concentrations).

MACs are health based numbers that should not cause adverse health effects with exposure to that level for a lifetime. They are frequently based on animal feeding studies because sufficient human toxicological information is rarely available.

IMACs are set for substances with known chronic effects in mammals and for which there are no established maximum acceptable concentrations. Although toxicological, epidemiological and health data are available for such substances the data are subject to public and scientific debate before agreement on a maximum acceptable concentration.

MDCs are set for those parameters that effect the aesthetic quality of the water or may interfere with good water quality control practices.

Generally, municipalities are responsible for plumbing inspection and water distribution for communal water systems covered by the Ontario Water Resources Act (OWRA). Public Utilities Commissions are responsible for the treatment and distribution of water under the auspices of the municipality; hence the municipality has the ultimate responsibility for the quality of water reaching consumers. Private operators of water supply systems governed by the OWRA, are responsible for their water quality and local health agencies are responsible for water supplies not included under the Act (those serving 5 or fewer private residences).

To ensure the provision of water of adequate quality and quantity, a Certificate of Approval is issued to a proponent for the construction of a new waterworks or for alteration to an existing works stating the terms and specific conditions. Factors which influence the authorization to use a certain water source will depend on the following:

- satisfactory quality and adequate quantity of the water source;
- adequate treatment facilities to consistently produce water free from health hazards and to minimize undesirable aspects of finished water quality;
- adequate capacity to meet peak demands without development of low pressures which could result in health hazards;
- enforcement of requirements to prevent development of health hazards; and
- records of laboratory analysis showing consistent compliance with the water quality limits stated.

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The Ministry of the Environment provides courses in complete operator education and ensures that proper monitoring programs are maintained. When routine sampling indicates that a guideline has been exceeded, monitoring is intensified (see ODWO\*). If necessary, appropriate remedial measures are determined by the Ministry. Occasional short-term values greater than the guideline may be tolerated if medical evaluation indicates that injury to health will not occur.

<sup>\*</sup> Ontario Drinking Water Objectives revised 1983. Ontario Ministry of Environment ISBN 0-7743-8985-0 1984

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